



**ELON COLLEGE LIBRARY**



**Elon College, North Carolina**

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# ELON





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# **ELON COLLEGE**

## **1987-88**

**Elon College / North Carolina 27244**  
**Telephone 919-584-9711**

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# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

## **President**

General Information

## **Vice President for Academic and Student Affairs**

Academic and student affairs policy

Long-range plans

## **Dean of Academic Affairs**

Academic program

Academic work of students in college

Faculty position

Special programs

## **Dean of Admissions and Financial Planning**

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loan funds, and work jobs

## **Dean of Student Affairs**

Housing

Student Affairs

## **Vice President for Administrative Services**

Payment of student accounts

Inquiries concerning expenses

## **Vice President for Development**

Public relations

Contributions, gifts or bequests

Estate planning

## **Director of Placement**

Career options for students

Employment of seniors and alumni

## **Registrar**

Requests for transcripts

Evaluation of transfer credits

Student educational records

## **Director of Alumni and Parent Relations**

Alumni affairs

Parent relations



# Calendar

## Fall Semester 1987

August 30 (Sunday)  
 August 31 (Monday)  
 September 1 (Tuesday)  
 September 2 (Wednesday)  
 September 3 (Thursday)  
 September 8 (Tuesday)  
 October 16 (Friday)  
  
 October 21 (Wednesday)  
 October 21 (Wednesday)  
 November 3 (Tuesday)  
 November 11 (Wednesday)  
  
 November 25 (Wednesday)  
 November 30 (Monday)  
 December 9 (Wednesday)  
 December 10-15 (Thurs.-Tues.)

Orientation  
 Orientation; Evening School Registration  
 Registration  
 Drop-Add Day; Evening Classes Begin  
 Day Classes Begin  
 Last Day for Late Registration  
 Fall Break Begins at 1:15 p.m.; Last Day  
 for Dropping Course with "WP"  
 Fall Break Ends at 8:00 a.m.  
 Mid-Semester Reports Due  
 Last Day to Remove Incompletes "I"  
 Preregistration Begins for Winter Term  
 and Spring Semester 1988  
 Thanksgiving Holiday Begins at 1:15 p.m.  
 Thanksgiving Holiday Ends at 8:00 a.m.  
 Classes End  
 Examinations

## Winter Term 1988

January 4 (Monday)  
 January 5 (Tuesday)  
 January 6 (Wednesday)  
 January 27 (Wednesday)

Registration  
 Classes Begin  
 Last Day for Late Registration  
 Examinations

## Spring Semester 1988

February 2 (Tuesday)  
 February 3 (Wednesday)  
 February 4 (Thursday)  
 February 9 (Tuesday)  
 March 11 (Friday)  
 March 21 (Monday)  
 March 25 (Friday)

Registration  
 Drop-Add Day; Evening Classes Begin  
 Day Classes Begin  
 Last Day for Late Registration  
 Spring Vacation Begins at 1:15 p.m.  
 Spring Vacation Ends at 8:00 a.m.  
 Last Day for Dropping Classes with  
 "WP"

March 28 (Monday)  
 April 8 (Friday)  
 April 13 (Wednesday)

Mid-Semester Reports Due  
 Last Day to Remove Incompletes "I"  
 Preregistration Begins for Summer  
 School and Fall Semester 1988

May 11 (Wednesday)  
 May 12-17 (Thurs.-Tues.)  
 May 21 (Saturday)

Classes End  
 Examinations  
 Commencement; Last Day of School

## Summer School 1988

First Term: June 6-July 8 (July 4 Holiday)  
 Second Term: July 12-August 12





# Introduction to Elon

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 2,900 undergraduate and 200 graduate students come from 29 states and a number of foreign countries. Slightly more than half of the students are men, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of man's cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, career internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

## Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

A full schedule of evening classes provides maximum flexibility for students. Additionally, a wide variety of workshops, seminars and non-credit courses is offered throughout the year.

## History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. The faculty increased to more than 160, teaching 31 major fields offering four baccalaureate degrees. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its



commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

## **The Mission of Elon College**

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college careers.
5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.
6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.
7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.
8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.
9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.
10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

## Accreditation

Elon College is accredited by the Southern Association of Colleges and Schools and is a member of the following associations:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

## Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including four new dormitories completed in 1982 and 1984, a new fountain, plaza area and extensive landscaping. A new fine arts center is the most recent addition, 1987. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve new residence halls have been constructed since 1956. Completed in 1970 were a new office-classroom building and a new physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 1,700.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

*Bakatsias Soccer Field*, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

*John W. Barney Hall* houses 54 men students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 men students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building*, renovated in the summer of 1973, was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses classrooms, faculty offices and publication facilities.

*Carolina Hall*, erected in 1956, houses 126 women students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 men. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Mathematics, Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, which was renovated in 1966.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*The Fine Arts Center*, was completed during the 1986-87 academic year. In addition to classroom and office facilities for the art, music, drama and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

*Fraternities and Sororities* are housed in several off-campus residences owned by the College and in residence halls suites.

*Holland House* is the residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons.

*A.L. Hook Hall*, housing 48 men students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator Everett Jordan and completed in 1970, contains the Vance Beck swimming



pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*LaRose Resources Center* was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audiovisual and computer equipment, as well as cable and satellite TV services.

*Lawrence House*, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

*The Lodge* was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, the health service, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 114 women. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 160,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

*The Spence Collection*, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his



father-in-law, the Reverend Issac Mooney. This building, remodeled in 1967, houses faculty offices, classrooms, the LaRose Resources Center, a television studio, a recital hall and the Curriculum Resources Center.

*Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Building*, located near the Harper Center, houses men students.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*Powell Tennis Complex*, a 12-court, championship tennis complex, was named for Elon College Trustee James B. Powell Jr. Built in 1987, it is one of the finest small-college tennis complexes in the nation.

*Power Plant* provides heat for the entire College.

*Rudd Field*, a multipurpose athletic field named for Clyde Rudd Sr., class of '37, is used for football, softball and intramural activities.

*Sloan Hall*, a three-story brick structure housing 80 men students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 men students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall*, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 200 men, and Moffitt Hall 100 women. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 80 women students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Sixty-eight women students are housed on the second and third floors.

*Whitley Memorial Auditorium*, extensively renovated in 1972, has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

*Names associated with Elon College buildings, rooms, and other facilities* are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities

*become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.*

### **Visitor Information**

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

### **Travel Information**

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. It is also served by Carolina Trailways and Greyhound, which afford bus service to all parts of the country. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.

# ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

## Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Applied Science, and Bachelor of Applied Arts.

*The Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The principal objective of the M.B.A. program is to produce excellent general managers. *The Master of Education* program requires 30 semester hours of graduate credit in one of three programs: Elementary Grades, Middle Grades or Physical Education.

*The Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Computer Science, Economics, Education (Elementary—Early Childhood, Intermediate, Middle Grades; Secondary—several subject areas), English, Foreign Languages, History, Human Services, Journalism, Mass Communication, Mathematics, Music, General Music, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

*The Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance or Marketing), Computer Information Systems, Medical Technology, Music Education, Physical Education and Health Education (Teacher Certification, Community Recreation, or Commercial Leisure and Sports Management).

*The Bachelor of Applied Arts* and *Bachelor of Applied Science* degrees offer graduates of two-year technical or vocational programs from accredited community colleges or technical institutes direct transfer of up to 65 semester hours of work. Elon College offers a special program leading to the Bachelor of Applied Science degree in Radiologic Technology.

## Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, Education, Special Education, English, French, German, Geography, Gerontology, History, American History, European History, Human Services, Journalism, Mass Communication,

Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Recreation, Religion, Sociology, Spanish and Sports Medicine.

## **General Studies**

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct and graceful English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

## **The Martha and Spencer Love School of Business**

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing and finance), and a graduate degree in business administration (M.B.A.).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Courses of Instruction.

## **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.



## **Experiential Education**

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. An active cooperative education and internship program provides opportunities throughout the academic year and during summers for students to test career objectives, to integrate theory with practice and to examine future job possibilities.

Internships may be developed through the academic departments. Positions are directly related to majors, may be full or part time, and are usually supervised by Elon faculty. Departments which require internships of their majors include Education, Human Services, Journalism, and Mass Communication. Internships are frequent in the fields of Community Recreation, History, and Public Administration.

Cooperative Education at Elon is designed to meet student needs. Some positions involve alternating terms of work and study beginning in the second half of the sophomore year and continuing through graduation. Other co-op positions involve several terms in a part-time job. Students are placed in positions which offer pay and opportunities for increasing responsibility. For more information, students should contact the Director of Experiential Education.

## **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Mass Communication, Human Services, Public Administration, Computer Science, Computer Information Systems and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

## **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

## **Pre-engineering**

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing our program are given preferential consideration for transfer to any of these engineering schools.

### **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

### **Premministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.

## **Special Academic Programs**

Elon College offers various programs for those people with special needs and qualifications.

### **Academic Honors Program**

- Provides opportunity for academically talented students.
- Develops Academic Enrichment and Honors Courses.
- Allows enrollment by academic performance and interest.
- Assists students interested in graduate study.

### **Academic Development Program**

Assists students in understanding the basic concepts of reading, mathematics and communication skills.

Gives small group instruction.

Offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

### **Continuing Education**

Designed to encourage adults to return to college for further study.  
Conducts evening school programs (undergraduate and graduate)

### **Direct Transfer**

#### *Community College or Junior College*

Offers graduates of a college parallel program from an accredited junior college or community college full credit with a direct transfer of up to 65 semester hours of work toward a *Bachelor of Arts* or *Bachelor of Science* degree.

#### *Community College or Technical Institute*

Offers graduates of a technical or vocational program from an accredited community college or technical institute full credit with direct transfer of up to 65 semester hours of work toward a *Bachelor of Applied Arts* or *Bachelor of Applied Science* degree.

### **High School Credit Bank Programs**

Makes it possible for the student to have sophomore standing at the time of college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

### **Military**

#### *ROTC*

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

#### *Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Accepts credit for USAFI courses taken while in service.

Transfers work completed at other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

#### *Bootstrap and Project Ahead*

Offers degree programs to military personnel on educational leave.

Opens door for persons who have not entered or completed college.

Grants credit for USAFI, CLEP, previous college work, and/or service experience according to ACE guidelines.

Offers built-in financial assistance.

### **Study Abroad**

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements can be met. Through independent studies, internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Long fall and spring breaks permit extensive European travel.

During the Winter Term the college offers study-travel opportunities to England and Spain. The England program allows students to spend approximately a month in London with numerous excursions to historical and cultural sites in England. The Spain program begins in Madrid and visits Toledo, Seville, Cordoba and Granada as it exposes students to the uniqueness of Spanish life and culture. Both programs offer a wide range of courses for which credit is earned.

Summer terms provide still other study abroad possibilities. The College offers language study in Spain through the University of Salamanca and a study-tour through Russia, Mongolia, and China. Summer programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school.

### **Academic Support Services**

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as pre-law, pre-med and pre-engineering.

Closely associated with the Academic Advising Center is the Career Development service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

### **Placement Services**

Elon College has a professional placement office that helps graduates find meaningful employment. Beginning during their junior year students are helped with resume preparation and interviewing skills. On-campus and off-campus interviews are arranged with prospective employers.



**LaRose Resources Center**

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include tutorial assistance for most academic areas, computer-assisted instruction, the academic computer and terminals, a microcomputer lab, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

**Library**

The McEwen Library contains a well-rounded collection of more than 160,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

**Computer Facilities**

The LaRose Resources Center offers a variety of hardware capabilities and software support. The center is staffed with faculty, staff and student assistants to assist students with use of the computer. Formal courses and special seminars in the computing sciences and computer usage are also available. Every student and faculty member of Elon College is authorized to use the computers. In addition to the LaRose Resources Center, terminals for student use are located in Alamance Building, Mooney Building and Powell Building.



# Student Life

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, service organizations, Greek organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

## Student Personnel Service

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each residence area there is an Area Coordinator. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and meeting problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

*Career Development and Placement.* The Director of Career Development assists students in their choice of profession. Through testing programs the student is encouraged to explore fully all possible job opportunities. Emphasis is placed upon "life planning" so that career choice fits personal interest, ability, talent and job availability.

The Director of Placement assists seniors and alumni in finding employment after graduation. Visiting representatives from industry, business, education, and government interview candidates on campus. With written permission from student or graduate, credentials are made available to prospective employers on a confidential basis. No charge is made for this service with the exception of a fee connected with sending official College transcripts.



*Health Service.* The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physician. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and residence halls locked no later than 6:00 p.m. on the day classes/finals end before these vacation periods. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Student Activities.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, folk entertainment, travel groups, special theme parties, concerts, intramurals, and other social activities.



## Student Government

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

## Judicial System

This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen. It is intended to be both one of justice and of education for students.

## Religious Life

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

## Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in a new Fine Arts Center, 1987, by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

## Honor Societies

*Alpha Chi*. Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.

*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community.

*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

## Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

*Departmental* - American Chemical Society, American Marketing Association, Business Students Communications Committee, Mathematics and Computer Science Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Human Services Club, Alpha Kappa Psi (Business).

*Greek* - There are 14 social fraternities and sororities at Elon. A number of these occupy College-owned houses. Fraternities include Tau Kappa Epsilon, Kappa Alpha Psi, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Chi, Sigma Pi, and Pi Kappa Phi; Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, Alpha Omicron Pi, and Alpha Kappa Alpha.

*Music and Fine Arts* - Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, Drama Club, College-Community Orchestra, Elon College Gospel Choir.

*Religious* - Baptist Student Union (B.S.U.), Fellowship of Christian Athletes, Intervarsity Christian Fellowship, Newman Society.

*Service* - Civinettes, Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega and Circle K International.

*Sports* - Comprehensive intramural program, Lacrosse Club, Outing Society, and Ski Club.

*Others* - Commuter Student Organization, class organizations, Black Cultural Society, College Republicans, GENTS, Young Democrats, International Students Association, Resources for Non-traditional Elon Women (ReNew), and Pershing Rifles..

## Communications Media

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates the three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a modern facility in Harper Center.

## Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

## Athletics

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

*Intercollegiate.* A member of the Carolinas Intercollegiate Athletic Conference, the South Atlantic Conference, the National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women, Elon has teams which compete with other colleges in football, basketball, wrestling, baseball, tennis, golf, track, soccer, women's volleyball, cross country, women's basketball, women's softball, women's soccer, women's tennis, and lacrosse.

### **Traditional Events**

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

*Spring Fling.* A weekend of activities which includes student competitions, concerts, and other programs.





# Admissions, Finances, and Financial Aid

## Admissions Procedures

Elon College operates on the Rolling Admissions Plan — completed applications are acted upon and candidates notified within two to four weeks. Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations. While a personal interview is not necessary, it is helpful both to the prospective student and to the College.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$15 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English 4 units

One Foreign Language 2 units

Math 2 units

(Algebra I & II or Algebra I & Geometry

Algebra I & II preferred)

History 1 unit

Science 1 unit

## Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

## Acceptance on Condition

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Academic Development Program. Upon successful completion of this work and recommendation by the Academic Development Program Coordinator, the student may proceed with regular course work.

## Special Students

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.

2. *Persons 21 years of age or older who are not high school graduates or candidates for a degree but wish to take class work.* Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.

3. *College graduates* who are interested in further study at the College. Such applicants are admitted if they fulfill the requirements for admission to the desired courses.

4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.

5. *High school students who wish to enter Elon at the end of their junior year* may submit an application for special consideration for early admission.

## Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: Art, Biology, Chemistry, Computer Science, English, French, German, History, Mathematics, Music, Physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

### College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics, and Business. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.



### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$100.00.

### **Transfer Program Information**

#### **Direct Transfer Program in Applied Arts and Applied Sciences**

Students receiving an Associate or Applied Arts or Applied Science Degree in a vocational or technical area from an accredited technical institute or community college may transfer all work up to and including 65 semester hours (or equivalent) for application toward a BAS (Bachelor of Applied Science) or a BAA (Bachelor of Applied Arts) degree. Students who have received 65 semester hours of credit from two-year institutions cannot transfer additional credit from any two-year institution. Note that the BAA in Early Childhood Specialist will NOT meet teacher certification requirements in North Carolina.

Requirements for BAA or BAS Degree:

1. A student must transfer his major (Applied Arts or Science degree).
2. General Studies requirements must be completed at Elon College.
3. Enough additional elective hours must be earned at Elon to equal the 126 required for graduation.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 21 hours of credit at the junior-senior level to qualify for graduation.

#### **Direct Transfer Program in Liberal Arts**

Graduates of accredited community colleges or junior colleges who hold an Associate of Arts or an Associate of Science Degree may continue their education at Elon College and receive full credit for their study at the junior college level, with direct transfer of up to 65 semester hours of work. Students who have received 65 semester hours of credit from any two-year institution cannot transfer additional credit from any two-year institution.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements must be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.



### **Transfer of Partial Credit (No Associate Degree)**

Credit is given for college-level courses from any accredited institution insofar as they parallel courses at Elon. However, no credit is allowed for a course with a grade report below that of "C," except in direct transfer or authorization from the Dean of Academic Affairs.

### **Credit for Veterans**

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.

2. USAFI courses taken while in the service may be accepted for credit.

3. Work from other accredited post-secondary institutions may be accepted.

4. Service experience may be accepted for physical education and health requirements.

### **Acceptance and Room Reservation Fees**

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. After May 1, \$25 is refundable until August 1. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

### **General Costs**

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean of students are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

**Book Expenses.** The estimated cost of textbooks is \$200 to \$250 for the academic year, of which \$125 is needed for purchases from the campus bookstore at the opening of fall semester.

**Costs Covered by Tuition.** Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, health service, post office box, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

### Expenses for the 1987-88 Academic Year

#### Full-Time Enrollment/Day Students\* (12-18 hours)

	Fall Semester	Winter Term**	Spring Semester
Tuition .....	\$2450	\$95/hr	\$2450
Room .....	550	150	550
Board*** (Winter Term billed with Fall Semester)			
7 day plan .....	860	170	690
5 day plan (not available to freshmen) .....	765	150	615
Student Government .....	25		25
Overload (more than 18 semester hours) .....	95/hour		95/hour
Caution/Damage Deposit (refundable, applies to dorm students only) .....	50		

\*Students enrolled for only 10 or 11 hours in fall or spring will be charged for the full semester's tuition.

\*\*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term.

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

**Part-Time Enrollment/Day Students**

Tuition for day or evening course (no more than 9 hours  
per semester) . . . . . \$95/hour

**Evening School****Undergraduate Programs**

Tuition . . . . . \$95/hour

In order to be eligible for this special rate for more than 9 hours in fall or spring students must (1) have earned a high school diploma or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions.

**Graduate Programs**

M.B.A. Tuition . . . . . \$130/hour

M.Ed. Tuition . . . . . 95/hour

**Summer School 1987**

Tuition per semester hour . . . . . \$85

College enrollment fee including SGA of \$1 . . . . . 10

Room (\$120) and Board (\$275) per summer term . . . . . 395

**Special/Optional Fees (No Refunds)**

Fine arts courses (individual lessons)

For summer school and part-time students, special fees are charged for applied music and art lessons.

One semester hour credit or audit . . . . . \$150

Two semester hours credit or audit . . . . . 300

Auditing Courses — per course . . . . . 75

Golf . . . . . 25

Scuba . . . . . to be announced

Equitation . . . . . 150

**Graduation Fees**

Bachelor's Degree . . . . . \$33

Master's Degree . . . . . 35

**Miscellaneous**

Late registration/Re-enrollment during term . . . . . \$25

Late Payment . . . . . 25

Drop/Add course after classes begin . . . . . 10

Transcripts . . . . . 3

Caution deposit (dorm damage and key) refundable after student  
leaves campus housing) . . . . . 50

Examination for course credit . . . . . 100

**Automobile registration**

Resident students . . . . . 20

Commuter students . . . . . 15

Replace I.D. Card . . . . . 10

Replace Meal ticket.....10  
Returned check fine.....20

A student's or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

**Refunds**

**Academic Year — Fall and Spring Semester**

Tuition, fees and room charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 20%
- 2nd week pro rata charge 40%
- 3rd week pro rata charge 60%
- 4th week pro rata charge 80%
- 5th week - No refund

Upon withdrawal, Meal Ticket refunds are pro rated.

**Notice of Withdrawal**

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

**Winter Term and Summer School**

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

**Payment Plans**

Payment plans through outside agencies and directly through the College are made available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

**Financial Aid**

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of College, state, or federal aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds (except Pell Grant—see Pell Grant information below)) is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.



Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid “package” for an individual student may consist of a combination of (I) need-based aid (grants, loans, work) as well as (II) non-need aid and (III) payment options. Each type of aid available at Elon is described below.

**I. Need-Based Aid:** awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

**A. Types of Need-Based Aid**

**1. Grants:** money which does not have to be repaid.

**a. Federal Grants**

1) *Pell Grant*: Applicants receive a Student Aid Report (SAR) which they submit to the Financial Planning Office. Grant eligibility is determined on the basis of the SAR and students' course load (must enroll for a minimum of 6 hours per semester).

2) *Supplemental Educational Opportunity Program (SEOG)*: awarded by the College from federal funds to students demonstrating high need.

**b. State Grants**

1) *North Carolina Contractual Scholarship Fund*: state funds awarded by the College to North Carolina students who qualify on the basis of need.

2) *North Carolina Student Incentive Grant*: state funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

**c. Institutional Grants:** students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

**2. Loans:** long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

**a. Perkins National Direct Student Loans (Perkins NDSL):** awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

**b. Guaranteed Student Loan/Federal Insured Student Loan (GSL/FISL):** funds from private lenders (banks, credit unions), who re-ceive a federal guarantee against borrower default. Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures, below). It is generally necessary for applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8%.

**3. College Work-Study Program (CWSP):** federal funds awarded by the College to eligible applicants, who then work on-campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 20% of students' wages.

**B. Application Procedures for Need-Based Aid**

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Submit a signed copy of student's/parents' tax return for the prior year to the Financial Planning Office.
3. Complete the Elon Aid Application.
4. Respond to any requests for additional documentation.

*Note:* priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by May 1 prior to the academic year for which aid is requested.

**II. Non-Need Aid:** funds awarded to students on the basis of special characteristics, merit, or achievement.

**A. Grants/Scholarships:** money which does not have to be repaid.

1. North Carolina Legislative Tuition Grant: grant to all full-time undergraduate students who are legal residents of this state. In 1986-87, the grant was \$1000 (\$500 per semester). A brief application must be completed at Registration.

2. Private Scholarships: funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.

3. Military: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.

4. North Carolina Programs: the state offers a number of scholarship and loan programs for students enrolled in specific educational programs (Education, Health) or who have interest or involvement in 4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.

**5. Institutional Awards**

a. Academic Scholarships: applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.

b. Performance Awards: funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.

**B. Non-Need Loans:** long-term loans available to assist in financing educational expenses, based upon credit-worthiness rather than "need."

1. **Parent Loans for Undergraduate Students (PLUS):** parents may borrow up to \$4000 per academic year through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and repayment begins immediately. Applications are available from the lender.
2. **Supplemental Loans for Students (SLS):** independent students and graduate students may borrow up to \$4000 per academic year through a private lender. Interest rate is variable. Repayment of principle may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender.
3. **Alliance Loans (through the Teri Program):** loans through private lenders for \$3000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.
4. **Private Loans:** funds through the student's/parents' own resources: financial institutions, employer, or family.

**C. Employment:** on and off campus.

1. **Institutional Work-Study Program (IWSP):** available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Financial Planning Office.
2. **Off-Campus Employment:** opportunities for work in the near-by community are available through the Placement Office.

### **III. Payment Options**

1. **VISA/Mastercard:** Elon College accepts these charge cards for payment of tuition and fees.
2. **Ten-Month Payment Plan:** charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from May 15 through February 15.

### **Freshman Academic Awards Program**

A freshman who has been accepted to Elon College may be nominated by his or her high school or principal or by the Academic Scholarship Committee of Elon College for an academic scholarship. These scholarships are renewable provided that the student maintains a semester and cumulative grade point average of 3.0 or better, successfully completes a minimum of 30 semester hours each academic year, and participates in the Honors Program. The freshman awards program consists of the four following categories of scholarships:

### *Trustee Scholars*

These scholarships range from \$1,800-\$2,500 and are awarded to the top academic students participating in the freshman awards program.

### *Presidential Scholars*

These scholarships range from \$1,000-\$1,750, and a limited number are reserved for Alamance County residents.

### *Elon Scholars*

These \$500-\$950 scholarships, established by the trustees of Elon College, are awarded each year to students with outstanding promise.

### *Merit Scholarships*

These \$400 scholarship are awarded to students with an outstanding potential for success at Elon College.

## **Elon College Endowed Scholarships**

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

*Aetna Life and Casualty Scholarships.* Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

*Alamance-Caswell Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Edward M. Albright Scholarship.* Established by his wife, the late Olivia White Albright.

*Simeon Lee Allen Scholarship.* Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.

*Band Scholarships.* Awarded on a limited basis to students who are talented musicians and participate in band activities.

*John W. Barney Memorial Scholarship.* Established by colleagues, former students, and friends.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

*R. H. Barringer Distributing Co., Inc. Tennis Scholarship.* Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.



*Robert C. Baxter Scholarship.* For worthy students.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish-speaking people.

*Jennie Willis Atkinson Bradford Scholarship.* For a worthy student in the Department of Fine Arts.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Richie E. and Agnes R. Brittle Scholarship.* Created by Hunterdale United Church of Christ, Franklin, Virginia.

*Trudie Kimrey Bueschel Christian Education Scholarship.* Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags Scholarship.* Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

*William E. "Buster" and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R., Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Two awards annually—one to a deserving student who is a member of the basketball team and one to a student who is working his/her way through college as a member of the college's sports information office.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Pauline Nina Taylor Cammack Memorial Scholarship.* Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Dr. George L. Carrington Scholarship.* Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

*Z. Vance and Philip Vance Cates Scholarship.* Given by Gordon Pannill Hurley, Jr. and James Franklin Hurley, IV, in memory of their grandfather, Z. Vance Cates, and their uncle, Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship.* Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, Class of 1924.

*Carl and Betty Coley Scholarship.* For worthy students.

*Comer Golf Fund.* Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*Billy Crocker Jazz Scholarship.* To a member of the Emanons selected by a vote of members and directors of the Emanons.

*Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*T. B. Dawson Scholarship.* Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Dewey Hobson Dofflemyer Scholarship.* Established by his wife, Annie Onley Dofflemyer.

*William H. and Kathryn M. Duncan Scholarship.* For deserving students who are legally blind or are low-vision patients.

*Eastern North Carolina Ministers Memorial Scholarship.* Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Clyde Lee Fields Memorial Scholarship.* For deserving students.

*First Christian Church, Portsmouth, Virginia, Memorial Scholarship.* Established in 1965 by the Women's Fellowship and others of the First Christian Church.

*Mary Ruth and Archibale F. Fleming, Jr. Scholarship.* For tuition and fees of one or more students.

*A.J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*H. Terry and Nonnie B. Floyd Scholarship.* Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

*Lacy R. Fogleman Scholarship of St. Mark's Reformed Church.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing pre-ministerial or Christian Education studies.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

*Charles A. Frueauff Foundation Scholarship.* For academically talented students.

*John L. Frye Scholarship.* For deserving students, with preference given to football participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Glen Raven Mills Educational Award.* For worthy students, preferably Glen Raven Mills employees or members of employees' families.

*Mills E. and Katherine B. Godwin Scholarship.* For worthy students in need of assistance and from the Hampton Roads area of Virginia.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon College Home for Children.

*E.E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students. Special consideration should be given to students who plan to take a course in physical science.

*Huck Finn-Tom Sawyer Tennis Scholarship.* For deserving men and women who are members of the Elon College Tennis teams.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

*Archie and Adelaide Israel Scholarship.* For deserving students.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

*Mr. and Mrs. Burney Jennings Scholarship.* Established by the Jennings to benefit a student attending Elon.

*Jephson Educational Trust Scholarships.* Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

*Virginia Somers Jones Scholarship.* For deserving students.

*John M. Jordan Scholarship.* For a deserving student from Alamance County, preferably with a foster home background.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Lecy Martin Kernodle Scholarship.* This bequest provides aid for Alamance County students majoring in education.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For a student from Alamance County with an outstanding academic record.

*Lee County Scholarship.* For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.

*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.



*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*Mills and Mary Alice Luter Scholarship.* For a deserving student preferably from the Elon Home for Children.

*Zebulon and Alma Lynch Scholarship.* Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students preferably from Lynnhaven Colony Church.

*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

*Winona Morris Madren Scholarship.* For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

*William L. and Beulah McNeill Maness Scholarship.* Established by the Rev. Mr. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

*William Raymond Massey Scholarship.* Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

*Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes in basketball, football and baseball.

*John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*McCrary Scholarship.* Established by Iris and John McCrary for academically talented students who have financial need.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Vivian Wrenn Pell Scholarship.* Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

*Donald W. and Shirley M. Perry Scholarship.* For deserving students from Alamance County.

*L. J. "Hap" Perry Athletic Scholarship.* Established by his sons, for a student from Reidsville Senior High who participates in a sport at Elon.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

*Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon.

*O.D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*The Rev. Lacy M. Presnell, Sr. Memorial Scholarship.* Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.

*Presser Scholarship.* Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

*Emmett H. and Katherine H. Rawles Scholarship.* For academically talented students.

*Japheth E., Jr., and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond, Va., area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.

*Viola V. and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings for needy students.

*Arthur H. and Trudy B. Rogers Scholarship.* Established by the Rogers to assist a deserving student, preferably from Alamance or Stanley Counties.

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*Sanders-Myers Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

*Renold O. Schilke Trumpet Scholarship.* Awarded to selected band students who are interested in playing the trumpet.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*Zondal Myers Sechrest Scholarship.* For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford counties.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia, preferably for one or more students from the Tidewater, Virginia, area pursuing full-time Christian vocations.

*Bertha Paschall Shipp Scholarship.* Established by Bertha Shipp by bequest for deserving students as determined by the college scholarship committee.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. For worthy students.

*Oscar F. Smith Scholarship.* Established by bequest from Oscar Frommel Smith, trustee. For scholarship assistance to students preferably from Eastern Virginia.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Inc., Scholarship.* To provide scholarship aid to a deserving student.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

*Sigmund Sternberger Scholarships.* Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

*Alda June Stevens Memorial Scholarship.* For worthy students, preferably those preparing for full-time Christian service.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Suffolk Christian Church Scholarship.* Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Virginia area.

*Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships.* Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, New Jersey.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

*William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*Lillian Pearl Tuck Endowment.* Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.



*Wallace Lincoln Tuck Scholarship.* For needy students.

*Arline Lindsay Tweed Scholarship.* Established by Mrs. Arline Lindsay Tweed to aid qualified students.

*Union United Church of Christ Scholarship.* For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

*Velie Memorial Music Scholarship.* Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

*Thyra Wright Vestal Scholarship.* Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

*Robert Ronald Wagner Memorial Scholarship.* Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

*Wake Chapel Christian Church Scholarship.* For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

*Catherine N. Walker Scholarship.* Established in honor of Mrs. Walker by her son, Zac. T. Walker, III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students, for scholarships in football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

*Clyde. T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

*William I. Ward, Sr., and David Samuel Ward Scholarship.* Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

*Watterson-Troxler History Scholarship.* Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

*Colonel Henry E. White Scholarship.* For deserving students.

*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White, for an outstanding student, preferably from Vance County, North Carolina.

*Nellie Glenn White Scholarship.* For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.



*S. S. "Red" Wilson Scholarship.* For basketball and football athletes who maintain a "B" average.

*Youth's Friends Scholarships.* Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

## Loan Funds

*Amick Fund.* Dr. T.C. Amick, formerly of the College Faculty, created a fund to be loaned to deserving students at six percent interest.

*Stein H. and Pearl M. Basnight Loan.* A bequest from the estate of Stein H. Basnight. For United Church of Christ students preparing to enter the ministry. Loaned at a rate of six percent interest. If the student enters the Christian ministry, the interest is forgiven.

*James E. and Mary Z. Bryan Foundation Student Loan.* Established by Mary Z. Bryan as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh, North Carolina. Students may borrow up to \$1000 per academic year. Four percent interest accrues while student is in school and increases to six percent after student ceases to be enrolled as a full-time student.

*Burlington Elks Scholarship Loan Fund.* Lodge #1633. For students who are residents of Alamance County.

*Dr. J.A. Clarke Fund.* The money is loaned at six percent interest.

*Maggie B. Dixon Loan Fund.* To assist members of the junior and senior classes.

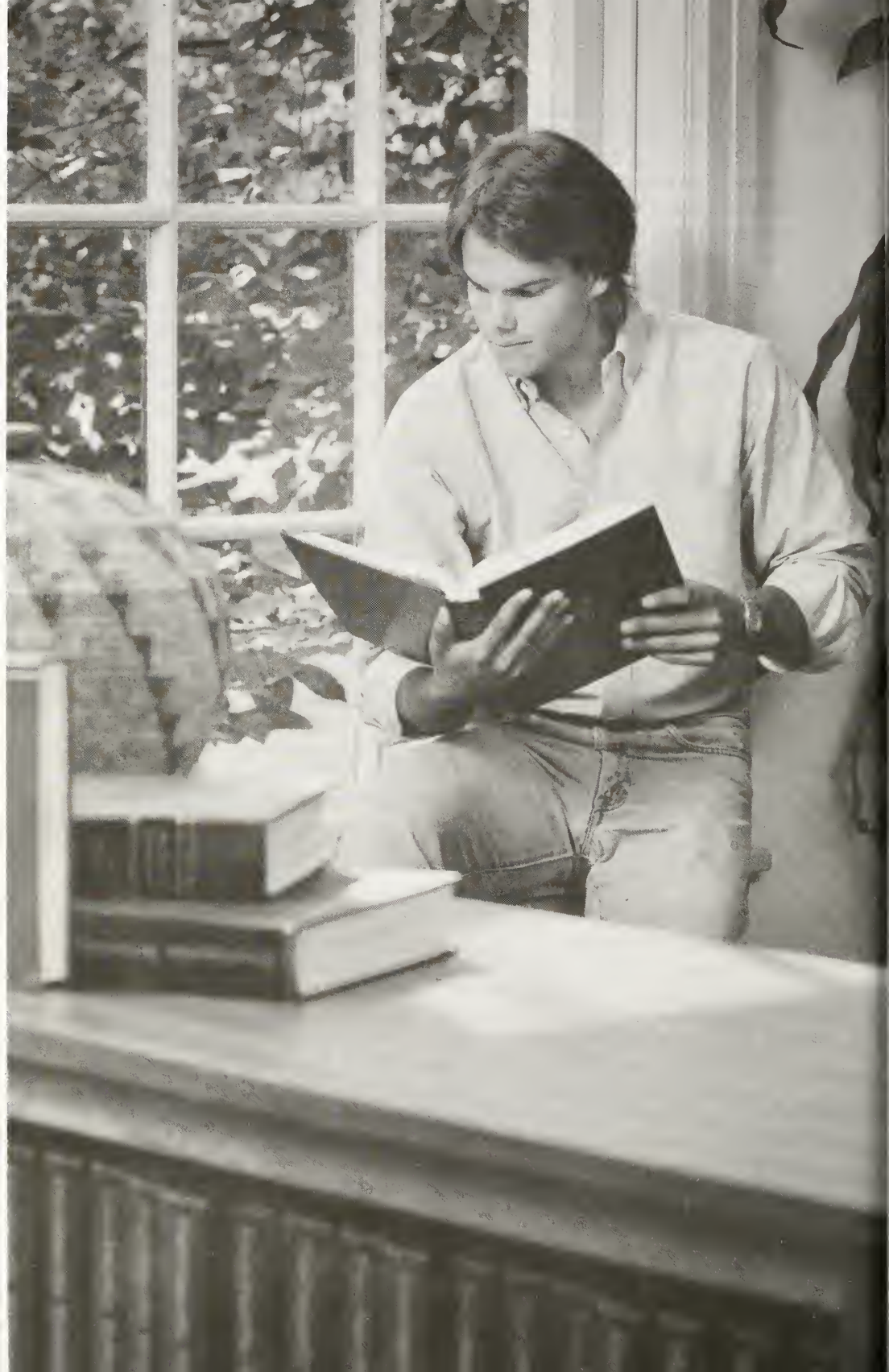
*Knights Templar Educational Loan Fund.* Under the rules of the Grand Commandery, students at Elon may obtain loans from this fund.

*McLeod Fund.* Loaned to worthy students on proper security.

*Helen Martin Parkerson Loan Fund.* Established by Mrs. Helen Cannon as a memorial to her mother. Loaned to deserving students in Office Administration.

*Verlie I. Smith Student Loan Fund.* For qualified students from North Carolina.

*T.M. Stanback Fund.* Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



# ACADEMIC REGULATIONS

## Undergraduate Degree Requirements

### Degrees and Major Fields

#### Bachelor of Arts (A.B.)

Biology  
Chemistry  
Computer Science  
Economics  
Education  
    Elementary (K-4 and 4-6)  
    Middle Grades (6-9)  
    Secondary  
English  
Foreign Languages  
General Music  
History  
Human Services

Journalism  
Mass Communication  
Mathematics  
Music  
Philosophy  
Physics  
Political Science  
Psychology  
Public Administration  
Religion  
Science Education  
Social Science  
Sociology

#### Bachelor of Science (B.S.)

Accounting  
Business Administration  
    (Management, Finance and  
    Marketing)  
Computer Information Systems  
Medical Technology

Music Education  
Physical Education and Health  
    Education: Teacher Certification  
Physical Education: Community  
    Recreation  
Physical Education: Commercial  
    Leisure and Sports Management

#### Bachelor of Applied Science (B.A.S.) and Bachelor of Applied Arts (B.A.A.)

Radiologic Technology  
Cooperative transfer programs offered to graduates of community colleges  
and technical colleges.

For Graduate programs see page 57 and/or Graduate Catalogs.

**Bachelor's Degree Requirements**

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

- 1. Satisfactory work in one major subject.
- 2. Completion of General Studies as follows:
  - a. Foundational Studies.....9
    - (1) English 111, 112 (Freshman English Composition).....6
    - (2) Mathematics 111 (or higher).....3
  - b. Liberal Studies.....31
    - (1) Expression .....6
      - Eloquent and creative expression in literature and fine arts. Six hours chosen from art, English, fine arts, music, at least three hours of which must be English.
    - (2) Science (Analysis).....7
      - Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
    - (3) Reflection .....6
      - Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
    - (4) Civilization .....6
      - Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
    - (5) Society.....6
      - Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
  - c. Advanced Studies.....12
    - In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.
  - d. Physical Education 160.....2
- 3. Electives
- 4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.



5. Twice as many quality points as credit hours attempted must be earned.
6. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies in those areas.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

A student who receives a bachelor's degree from the College and wishes to qualify for another bachelor's degree must earn at least 16 semester hours beyond those required for the first degree and must complete all requirements for an additional major appropriate to the second degree. No student will be awarded two degrees at the same commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

# General Academic Regulations

## Registration and Courses

### Classification

Classifications are made at the beginning of the college year in September.

Freshman	1-26 semester hours completed
Sophomore	27-59 semester hours completed
Junior	60-92 semester hours completed
Senior	93 and above semester hours completed

### Course Load

Twelve hours of college work is considered the normal student load for freshmen. The normal student load for upperclass students is considered to be fifteen hours of college work. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semester	18 semester hours
Winter Term	4 semester hours
Summer Term	7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

### Course Registration

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his advisor consider it essential a student should not change his schedule after registration.

### Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$75 for each course.

### Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$100.00.

### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Academic Dean's Office.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade point average is less than 2.00 may not register for overload hours in any term. See previous page on course load.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the requirements for the major and minor on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only

once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. The following is the general plan of attendance regulations:

Each department publishes its own attendance policy. A student who has excessive absences in any class is reported by the faculty member to the Advising Office. Members of the advising staff will confer with the student. If the absences are not excusable, the student will be warned, and his faculty advisor will be apprised of the situation. If unwarranted absences continue, the Dean of Academic Affairs may suspend the student from the class or from the College.

### **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

## **Grades and Reports**

### **Grading System and Quality Points**

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.



Grade		Quality Points
A	Superior	4
B	Work above average	3
C	Average work	2
D	Work below the average	1
F	Failure	0
I	Incomplete	0
P	Passing (not counted in cumulative average)	0
S	Satisfactory (not counted in cumulative average)	0
U	Unsatisfactory	0
WD	Medical Withdrawal	0
WF	Failing at time of withdrawal (counted in cumulative average)	0
WP	Passing at time of withdrawal	0
NR	No Report	0

The minimum passing grade is "D." A grade of "F" indicates failure.

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### Grade Point Average

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

### Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

### Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.33 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

### **Graduation With Honors**

Candidates for graduation with an average of 3.87 or more quality points for each credit hour are graduated *summa cum laude*; those with 3.67 or above, *magna cum laude*; and those with 3.33 or above, *cum laude*. The average for honors is computed on all work attempted in college whether at Elon or another institution.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of 21 semester hours of Honors courses and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

### **Student Access to Educational Records**

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

### **Transcripts of Student Records**

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

### **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. He will give such permission for work only in a fully accredited institution. Credit is allowed only for college level courses which also are allowed toward graduation by the institution conducting the summer school. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

## Academic Standards and Withdrawal

### Academic Standing

Academic standing is determined by the earned grade point average for both any one semester of attendance and cumulative work. A student whose cumulative grade point average falls below 2.00 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

*Warning*— Students are notified that their GPA is below 2.00 and that they are expected to show significant improvement in their next semester or term.

*Probation*— Students are notified that their GPA is below 2.00, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress suspension will result.

*Suspension*— Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.00 and maintain a cumulative grade point average as follows:

Freshman	1-26 sem. hrs.	1.60
Sophomore	27-59 sem. hrs.	1.60
Junior	60-92 sem. hrs.	1.80
Senior	93 sem. hrs.	2.00

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

### Dismissal

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

### Leave of Absence and Withdrawal

If a student for any reason concludes that he must leave the College on a temporary or long term basis, he must confer with the Dean of Student Affairs and the Dean of Academic Affairs to formalize his plans. If he wishes to be absent for as long as two semesters, he may request a leave of absence under which he may automatically return to the College at a time mutually acceptable. Faculty will be requested to report student progress in class at the time a leave is granted by indicating either a WP or WF grade. The official record of the student cannot be cleared until action—either leave or withdrawal—is complete.

## Graduate Degree Requirements

### Degrees and Major Fields

Master of Business Administration (M.B.A.)

Master of Education (M.Ed. in Elementary Grades, Middle Grades and Physical Education).

### MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Elon College offers an important opportunity for individuals to earn a Master of Business Administration (M.B.A.) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

#### Admissions Policy

The M.B.A. admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

#### Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within last 5 years.
4. Completed application.

#### M.B.A. Degree Requirements

1. Completion of courses specified under Program of Study.
2. An overall minimum grade point average of 3.00.
3. All courses must be completed within six calendar years.
4. Participation in commencement exercises.

#### Program of Study

Basic Studies in accounting, economics, quantitative analysis, or computer science may be necessary for some applicants. In such cases, the Director of the M.B.A. program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than five Basic Studies courses be specified.

The **Core Curriculum** consists of the following seven 500-level courses. The Core Curriculum is required of all MBA students.

Econ	511	Advanced Statistical Analysis	3 semester hours
BA	512	Quantitative Decision Methods	3 semester hours
Econ	513	Managerial Economics	3 semester hours
Acct	514	Managerial Accounting	3 semester hours
BA	515	Financial Management	3 semester hours
BA	516	Marketing Management	3 semester hours
BA	517	Business Policy	3 semester hours



Electives comprise the remainder of a student's Program of Study. Five must be selected from the following list of 500-level courses.

BA 521	Organizational Behavior	3 semester hours
BA 522	Organizational Development and Theory	3 semester hours
BA 523	Business Communications	3 semester hours
BA 524	Operations Management	3 semester hours
BA 525	Management Information Systems	3 semester hours
BA 526	Business and Society	3 semester hours
BA 527	Legal Environment of Business	3 semester hours
BA 528	International Business	3 semester hours
BA 571	Special Topics	3 semester hours
BA 591	Independent Study	3 semester hours

**Program Guidelines.** The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Basic Studies courses and ECON 511, BA 512, ECON 513, ACC 514, and BA 515 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.
3. The Business Policy course (BA 517) should culminate the program.

**Course Load.** Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time may not register for more than two courses at a time. At least two courses will be scheduled during the summer months. There will be no M.B.A. courses scheduled during the college's three-week Winter Term.

Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

**Course Schedules.** During the fall and spring semesters, 500-level classes will be scheduled during evening periods as follows:

Period One 5:30-7:20 p.m. Mon. through Thurs.

Period Two 7:30-9:20 p.m. Mon. through Thurs.

Any given course will meet twice a week, either Period One or Period Two, on a Monday-Wednesday or Tuesday-Thursday cycle. Basic Studies courses also meet twice weekly, Monday-Wednesday or Tuesday-Thursday, but the time periods are shorter.

For an application and more information about the M.B.A. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.

## MASTER OF EDUCATION (M.Ed.)

Elon College offers an important opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings (fall and spring) and in the daytime during summer school.

### **Admissions Policy**

The M.Ed. admissions policy is designed to select students who have demonstrated both academic and teaching ability. Each application is considered in the light of all completed academic work, test scores from the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

### **Basic Requirements**

1. A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a comparable accrediting association.
2. A 2.5 gpa overall for undergraduate work, or 3.0 gpa for the last 60 s.h. or 3.0 gpa in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate. (Candidates must have met undergraduate requirements for a North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A satisfactory score on the general portion of the Graduate Record Examination or on the Miller Analogies Test taken within five years prior to application.
6. Three written references.
7. A written statement of educational and professional goals.

### **M.Ed. Degree Requirements**

1. Completion of courses specified under program study.
2. Overall grade point average of 3.0 or higher.
3. Completion of coursework within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Participation in commencement exercises.

### **Programs of Study for Elementary Grades and Middle Grades**

All students are required to take the courses in the core curriculum. In addition to the core curriculum, students in the area of Elementary Education complete Education 521, 522, and select three courses from Education 520, 530, 540, 550, 571 or 591. In addition to the core curriculum, students in the Middle Grades program are required to complete Education 525, 526, and three courses from one of the following subject areas: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571; Education (Communication Skills) 530, 540, 551, 571; or HPER 511, 512, 516, 517, 571.

### **Program of Study in Physical Education**

All students are required to complete the core curriculum for Physical Education; Education 511, HPER 511 and HPER 517. Students must also select three courses from Education 513, 514, 516, Psychology 515, and four courses from HPER 512, 513, 514, 515, 516 and 571.

**Core Curriculum—Elementary and Middle Grades**

Education	511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 sem. hrs.
Education	513	Seminar in Effective Teaching	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	516	Educational Research and Evaluation Methods	3 sem. hrs.
Psychology	515	Adv. Psychological Theory in the Classroom	3 sem. hrs.

**Additional Requirements****Elementary Education—Early Childhood (K-4) & Intermediate (4-6)**

Education	521	Survey of Elementary Curriculum: Development and Content	3 sem. hrs.
Education	522	Communication Skills in the Elementary School	3 sem. hrs.

**Electives: Select three courses**

Education	520	Investigation and Trends in the Teach- ing of Elementary School Science	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.
Education	540	Literature for Children and Youth: Analysis and Application	3 sem. hrs.
Education	550	Meeting Special Learning Needs of Children	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.

**Additional Requirements****Middle Grades Education (6-9)**

Education	525	Effective Middle Grades Teaching	3 sem. hrs.
Education	526	Preadolescent Development: Implications for Education	3 sem. hrs.

**Select three courses from one of the subject areas listed below**

Mathematics	521	Mathematical Concepts for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	522	Geometry for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Middle Grades Classroom	3 sem. hrs.

Mathematics	571	Seminar: Special Topics	3 sem. hrs.
Science	560	Advanced Physical Science for Elementary & Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Space Science for Elementary & Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elementary & Middle Grades Teachers	3 sem. hrs.
Science	571	Seminar: Special Topics	3 sem. hrs.
Social Studies	531	Advanced Studies in American Government	3 sem. hrs.
Social Studies	541	Special Topics in Economics	3 sem. hrs.
Social Studies	546	North Carolina in the Nation	3 sem. hrs.
Social Studies	571	Seminar: Special Topics	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.
Education	540	Literature for Children and Youth; Analysis and Application	3 sem. hrs.
Education	551	Enhancing Oral and Written Communication	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
HPER	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPER	512	Analysis of Teacher Behavior	3 sem. hrs.
HPER	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.
HPER	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.

### **Core Curriculum—Physical Education**

Education	511	Advanced Foundational Studies	3 sem. hrs.
HPER	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPER	517	Research in Physical Education and Athletics	3 sem. hrs.

### **Additional Requirements**

#### **Physical Education—Select three courses**

Education	513	Seminar in Effective Teaching	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	516	Educational Research and Evaluation Methods	3 sem. hrs.
Psychology	515	Advanced Psychological Theory in the Classroom	3 sem. hrs.



**Select four courses**

HPER	512	Analysis of Teacher Behavior	3 sem. hrs.
HPER	513	Human Behavior in Sport	3 sem. hrs.
HPER	514	Analysis of Motor Skills	3 sem. hrs.
HPER	515	Physical Fitness/Exercise Prescription	3 sem. hrs.
HPER	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.
HPER	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.
HPER	591	Independent Study	3 sem. hrs.

**Course Load.** Students may enroll in from one to four courses during the fall and spring semesters. Students who are employed full-time may not register for more than two courses at a time. Courses also will be scheduled during the summer months.

**Course Schedules.** During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday 5:30-8:30 p.m.

Tuesday 5:30-8:30 p.m.

Summer School terms will be planned to accommodate working schedules of the public school teachers.

For an application and more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.



OPEC

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# Courses of Instruction

## Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, English, Fine Arts, Journalism, Languages, Mass Communication, Music, Philosophy, Religion
Division of Sciences and Mathematics	Biology, Chemistry, Computing Sciences, Mathematics, Physics, Medical Technology and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health.	Education, Health Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

## ACCOUNTING / The Martha and Spencer Love School of Business

*Dean of Love School of Business:*

*Associate Professors:* Oliver

*Assistant Professors:* Cox, Gibney

Students pursuing a major in accounting or business administration will be assigned a pre-business advisor by the Academic Advising Center until having satisfied the following requirements for admittance to the Love School of Business:

- (1) attain junior status and satisfy the college academic standards for continuance,
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and Math 165 or 121; Economics 211, 212, 246; Accounting 211, 212; and 3 semester hours of Computer Information Systems.

Pre-business students currently enrolled, so as to be completing these requirements, will be permitted for one semester to preregister and take Love School of Business classes. When all criteria are met the student will be admitted to and assigned an advisor in the Love School of Business. Retention



and graduation requirements are consistent with the overall requirements of the College.

A major in Accounting requires Accounting 211, 212, 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 321, 322, 323, 343, and 412. Additional course requirements are Computer Information Systems (3 semester hours); Economics 211, 212, 246, 347; and Mathematics 111 (or competency) Math and 165 or 121.

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other upper level accounting courses.

### **211. FINANCIAL ACCOUNTING PRINCIPLES**

**3 semester hours**

An introduction to double-entry accounting with emphasis upon conceptual framework; the structure of the accounting profession; and the recording, analysis, and external reporting of financial data. Income measurement and financial position of proprietorships, partnerships, and corporations are discussed.

### **212. MANAGERIAL ACCOUNTING PRINCIPLES**

**3 semester hours**

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Prerequisite: ACC 211.

### **331. INTERMEDIATE ACCOUNTING I**

**3 semester hours**

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisites: ACC 211, 212.

### **332. INTERMEDIATE ACCOUNTING II**

**3 semester hours**

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331

### **336. COST ACCOUNTING**

**3 semester hours**

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C—V—P analysis. Prerequisites: ACC 211, 212.

### **337. CORPORATE TOPICS IN ACCOUNTING**

**3 semester hours**

Complex issues in financial accounting with emphasis upon corporate capital structure. Also included are pension plan accounting; capital leases; accounting for income taxes; and statement of change in financial position. Prerequisite: ACC 332

### **441. BASIC TAXATION**

**3 semester hours**

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: ACC 211.

### **442. ADVANCED TAXATION**

**3 semester hours**

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 441.

### **451. ADVANCED ACCOUNTING I**

**3 semester hours**

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332.

### **452. ADVANCED ACCOUNTING II**

**3 semester hours**

Specialized accounting problems. Partnerships, corporate liquidations, estates and trusts, and accounting for foreign operations are emphasized. Prerequisite: ACC 451.



- 456. AUDITING** **3 semester hours**  
Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisites: ECO 246, ACC 332.
- 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**  
Advanced study consisting of reading problems, reports, discussions of current topics, and CPA review. Participation by students, departmental faculty, and other resource persons.
- 481. INTERNSHIP IN ACCOUNTING** **1-3 semester hours**
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## ART

*Chair, Department of Fine Arts:*

*Associate Professor: Daniel*

*Part-time Instructors: J. Henricks, Kinard*

A minor in Studio Art requires Art 111, 113, 221, 223, 491 (3 semester hours); plus 6 semester hours selected from Art 103, 104, 211, 213, 214, 311, 312, 491.

- 103. CERAMICS I** **3 semester hours**  
Techniques in working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

- 104. CERAMICS II ~~III~~ II** **3 semester hours**  
A continuation of Art 103, which is a prerequisite. Materials fee: \$10.00.

- 111. DESIGN I** **3 semester hours**  
A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$5.00.

- 112. DESIGN II** **3 semester hours**  
A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

- 113. DRAWING** **3 semester hours**  
Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours.

- 211. PAINTING: OILS, ACRYLIC I** **3 semester hours**  
Experimental studies in the techniques of painting and composition using various media. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

- 212. PAINTING: OIL, ACRYLIC II** **3 semester hours**  
A continuation of Art 211, which is a prerequisite. 1 hour of lecture and 5 studio hours.

- 213. PAINTING: WATERCOLOR I** **3 semester hours**  
Experimental studies in the various techniques of painting with watercolor. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

- 214. PAINTING: WATERCOLOR II** **3 semester hours**  
A continuation of Art 213, which is a prerequisite.

- 221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES** **3 semester hours**  
Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 221 is the same as FA 221.)

**223. HISTORY OF ART: RENAISSANCE TO THE PRESENT****3 semester hours**

Historical survey of the major visual arts from the Renaissance to the present. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 223 is the same as FA 223.)

**261. ART EDUCATION FOR ELEMENTARY GRADES****3 semester hours**

Methods and materials, principles, and fundamentals of art used in the elementary grades. 2 hours of lecture and 1 studio hour. Materials fee: \$5.00

**311. GRAPHICS****3 semester hours**

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 111. 1 hour of lecture and 5 studio hours. Materials fee: \$5.00

**312. GRAPHICS II****3 semester hours**

A continuation of Art 311, which is a prerequisite. Materials fee: \$10.00

**481. INTERNSHIP IN ART****1-3 semester hours****491. STUDIO PROBLEMS****1-3 semester hours**

Individual study and experimentation. Open to students at all levels, with the permission of the Art faculty only. Maximum credit allowed toward a degree is 6 semester hours.

**BIOLOGY**

*Chair, Department of Biology and Allied Health: Professor H. House*

*Professor: Rao*

*Associate Professor: N. Harris*

*Assistant Professors: Fields, Plumblee, Sissom*

*Instructor: Gallucci*

A major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and at least 6 additional semester hours in Biology; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114 and 321, 322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses.

**111. BASIC CONCEPTS IN BIOLOGY****3 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**113. LAB FOR BASIC CONCEPTS IN BIOLOGY****1 semester hour**

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**221. GENERAL ZOOLOGY****4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**222. GENERAL BOTANY****4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**265. HUMAN ANATOMY AND PHYSIOLOGY****4 semester hours**

The structure and function of the human body including the cellular, skeletal, muscular, nervous, endocrine, respiratory, circulatory, metabolic, renal and reproductive aspects. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111 or CHM 111.

**301. ENVIRONMENTAL CONSERVATION****3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab science course.

**311. COMPARATIVE VERTEBRATE EMBRYOLOGY****4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

**312. COMPARATIVE VERTEBRATE ANATOMY****4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 311 or permission of instructor. Offered alternate years.

**321. MICROBIOLOGY****4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 111, 112.

**322. CELLULAR BIOLOGY****4 semester hours**

Ultrastructure of typical eucaryotic and procaryotic cells and their relationship between structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis, and protein synthesis are included. Also discussed are general properties of viruses, control of cellular differentiation, growth and development, and molecular genetics. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 321, 322.

**325. HUMAN HISTOLOGY****4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221 or BIO 265. Offered alternate years.

**335. FIELD BIOLOGY****4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY****4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY****4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, CHM 111, 112.

**345. GENETICS****4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

**391. RESEARCH****1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY****3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321, or permission of instructor. Offered alternate Winter Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY****4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

**461, 462. SENIOR SEMINAR I & II****2 semester hours each semester**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to senior biology majors or by permission of the instructor.

**481. INTERNSHIP IN BIOLOGY****1-3 semester hours**

The following courses are offered at Moses Cone Hospital in conjunction with the clinical phase of the Medical Technology program. See Medical Technology for program description.

**482. CLINICAL MICROBIOLOGY****7 semester hours**

Detailed didactic and practical study of bacteria, fungi, viruses, parasites and other organisms which cause human disease. Safety, general and special techniques, antibiotic susceptibility testing, quality control and media preparation are emphasized.

**483. URINALYSIS AND BODY FLUIDS****2 semester hours**

This course provides practical and didactic experience in the routine and special analysis of urines and other body fluids with emphasis on how the results relate to human disease. Normal and abnormal physiology are also emphasized.

**484. IMMUNOHEMATOLOGY****4 semester hours**

The theoretical and practical aspects of blood group serology are discussed in detail with particular attention to the various blood groups and their significance in transfusion, components of the blood, donor selection, compatibility testing, identification of unusual antibodies, transfusion practice and quality control.

**485. CLINICAL CHEMISTRY****7 semester hours**

The study and practice of laboratory methods, equipment and how these are used to assay biochemical components of blood and other body fluids. Detailed study of the instrumentation used in clinical laboratories including principles, troubleshooting, quality control and method evaluation is included.

**486. CLINICAL IMMUNOLOGY****4 semester hours**

This course includes basic immunology, the cellular and molecular basis of immunity and immunodiagnostics, the principles of antigen-antibody interaction in vivo and in vitro plus discussions about hypersensitivity, immune malignancies and immune deficiencies. The correlation of immunodiagnostic test results to disease states is stressed.

**487. HEMATOLOGY AND COAGULATION****6 semester hours**

Lectures and clinical practice in formation, identification and pathology of blood, cells and coagulation factors. In-depth discussions of hematopoiesis, proliferative disorders, hemoglobin metabolism, anemias and hemostasis plus the analytic techniques and correlations to a laboratory data. Phlebotomy and specimen collection are included in this course.

**488. CLINICAL SEMINAR****2 semester hours**

This course includes topics in management, education and clinical medicine conducted by the hospital faculty and staff for students in the Medical Technology curriculum.



## **BUSINESS ADMINISTRATION / The Martha and Spencer Love School of Business**

*Dean of Love School of Business:*

*Professor: Marr, Shotzberger*

*Associate Professors: Baxter, Weavil, McClellan, Mitchell*

*Assistant Professor: Howren*

Students pursuing a major in accounting or business administration will be assigned a pre-business advisor by the Academic Advising Center until having satisfied the following requirements for admittance to the Love School of Business:

- (1) attain junior status and satisfy the college academic standards for continuance,
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and Math 165 or 121; Economics 211, 212, 246; Accounting 211, 212; and 3 semester hours of Computer Information Systems.

Pre business students currently enrolled, so as to be completing these requirements, will be permitted for one semester to preregister and take Love School of Business classes. When all criteria are met the student will be admitted to and assigned an advisor in the Love School of Business. Retention and graduation requirements are consistent with the overall requirements of the College.

A major in Business Administration requires Business Administration 311, 321, 323, 328, 343, and 423; Accounting 211 and 212; Computer Information Systems (3 semester hours), Economics 211, 212, 246, and 321; Mathematics 111 (or competency) and Math 165 or 121. In addition the student must complete one of the following emphasis areas: *Management*—Business Administration 325, 412, 426; *Finance*—Business Administration 413, 421, Economics 331; *Marketing*—Business Administration 312, 313, 316. One additional 3 semester hour course must be completed from junior-senior level Business Administration, Accounting and/or Economics courses.

A minor in Business Administration requires Business Administration 311, 323; Accounting 211, 212; and Economics 211, 212.

Successful completion of BA 351 qualifies one to take the North Carolina Salesman Examination.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to page 57.

**302. BUSINESS COMMUNICATIONS**

**3 semester hours**

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

**311. PRINCIPLES OF MARKETING**

**3 semester hours**

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisites: ECO 211, 212.

**312. MARKETING RESEARCH**

**3 semester hours**

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: BA 311, ECO 246.

**313. ADVERTISING**

**3 semester hours**

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311 or permission of instructor.

**316. MARKETING CHANNELS**

**3 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisite: BA 311 or permission of instructor.

**321. LEGAL ENVIRONMENT OF BUSINESS**

**3 semester hours**

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors.

**322. COMMERCIAL LAW**

**3 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only.

**323. PRINCIPLES OF MANAGEMENT**

**3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

**325. PERSONNEL ADMINISTRATION**

**3 semester hours**

A study of the basic personnel practices, objectives, functions, and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**328. ORGANIZATIONAL BEHAVIOR**

**3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

**341. FINANCIAL INTERMEDIARIES****3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisites: ECO 211, 212.

**343. MANAGERIAL FINANCE****3 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisites: ACC211, 212; ECO 211, 212, 246.

**351. FUNDAMENTALS OF REAL ESTATE****3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212; ECO 211, 212, or permission of instructor.

**353. REAL ESTATE FINANCE****3 semester hours**

A survey of the principles, concepts, and techniques of effective real estate investment. Financing and forms of ownership are significant topics. Various tax provisions are emphasized. Prerequisite: BA 351 or permission of instructor.

**355. REAL ESTATE INVESTMENT****3 semester hours**

The course stresses the importance of real estate as an investment vehicle which competes for funds in the market place. Financing and income tax considerations are introduced and some computer analysis is used in evaluating potential investments. Prerequisite: BA 351 or 353 or permission of instructor.

**412. OPERATIONS RESEARCH****3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisites: ECO 246 and senior status.

**413. ADVANCED MANAGERIAL FINANCE****3 semester hours**

An indepth study of financial management from the perspective of valutive theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343.

**416. FUNDAMENTALS OF INSURANCE****3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

**421. INVESTMENT PRINCIPLES****3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisites: ACC 211, 212, ECO 211, 212.

**422. BUSINESS AND SOCIETY****3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**423. BUSINESS POLICY****3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 328, 343 and senior classification.

**426. PRODUCTION AND OPERATIONS MANAGEMENT****3 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisites: BA 323, ECO 211, 212, 246.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT****3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisites: ACC 211, 212, ECO 211, 212, or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.

**481. INTERNSHIP IN BUSINESS ADMINISTRATION****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****CHEMISTRY**

*Chair, Department of Physical Sciences: Professor F. Harris*

*Professor: Danieleley, Miller*

*Assistant Professor: Agnew*

*Instructor: Baunach*

A major in Chemistry requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computer Information Systems 111.

A minor in Chemistry requires Chemistry 111, 112, 113, 114 and twelve semester hours of Chemistry above the 100 level.

**101. BASIC CONCEPTS IN CHEMISTRY****4 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Three class hours, two lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

**103. BASIC CONCEPTS IN GEOLOGY****4 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 2 laboratory hours. No credit toward the Chemistry major or minor.

**110. INTRODUCTION TO CHEMISTRY****3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

**111, 112. GENERAL CHEMISTRY I AND II****3 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.



- 113, 114. LABS FOR GENERAL CHEMISTRY I AND II** 1 semester hour each semester  
These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. To be taken concurrently with 111, 112.
- 221. QUANTITATIVE ANALYSIS** 4 semester hours  
Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours.
- 222. INORGANIC CHEMISTRY** 4 semester hours  
A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours.
- 301. PHYSICAL SCIENCE AND SOCIETY** 3 semester hours  
Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach.
- 321, 322. ORGANIC CHEMISTRY I AND II** 4 semester hours each semester  
Chemistry of the compounds of carbon. Aliphatic, aromatic, alicyclic, and heterocyclic compounds are studied as to importance, methods of preparation, electronic structure, chemical and physical properties, and industrial and medicinal use. Laboratory work consists of preparation, purification, properties, and qualitative identification of typical compounds. 3 class hours, 3 laboratory hours.
- 361. CHEMICAL LITERATURE** 1 semester hour  
Instruction and practice in the use of the literature of chemistry.
- 391. INDEPENDENT STUDY** 1-2 semester hours  
Library and/or laboratory study by the individual student. Open to students at all levels. Prerequisite: permission of the Chemistry staff. Maximum credit, 8 semester hours.
- 411. PHYSICAL CHEMISTRY** 4 semester hours  
Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours.
- 421. INSTRUMENTAL ANALYSIS** 4 semester hours  
Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours.
- 425. BIOCHEMISTRY** 3 semester hours  
(Same course as BIO 425. See BIO 425 for description.)
- 461. SPECIAL TOPICS** 1-3 semester hours  
Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.
- 471. SEMINAR** 1 semester hour  
Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.
- 481. INTERNSHIP IN CHEMISTRY** 1-3 semester hours

## COMMERCIAL LEISURE AND SPORTS MANAGEMENT

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## COMMUNICATIONS

*Chair, Department of Literature, Languages and Communications:*  
Professor Gill.

*Professor:* Bland

*Associate Professor:* Rassmussen

*Assistant Professors:* Johnson, Grady, Herold

*Instructor:* West

A major in Journalism requires Journalism/Mass Communication 210, 220, 225, 226, 228, 325, 381, 420, plus 15 semester hours (excluding practical experience) of Journalism/Mass Communication courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A major in Mass Communication requires Journalism/Mass Communication 210, 220, 225, 245, 255, 345, 382, and 420; plus 15 semester hours (excluding practical experience) of Journalism/Mass Communication courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A minor in Journalism or Mass Communication requires four courses chosen from Journalism/Mass Communication 210, 220, 225, 245, 255; plus 9 semester hours of Journalism/Mass Communication courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Mass Communication practical experience.

### **101. PARLIAMENTARY PROCEDURE**

**1 semester hour**

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

### **210. PUBLIC SPEAKING**

**3 semester hours**

The fundamentals of public speaking: principles in non verbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

### **220. INTRODUCTION TO MASS COMMUNICATION**

**3 semester hours**

A survey of the history of mass media—newspapers, magazines, book publishing, films, the recording industry, radio, television and cable—with special emphasis on media as social institutions, economics of the media, and technological developments in media.

### **225. REPORTING AND NEWS WRITING**

**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

### **226. FEATURE WRITING**

**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JMC 225.

**228. PHOTOJOURNALISM****3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed. Prerequisites: PHY 103 or permission of instructor.

**245. RADIO BROADCASTING****3 semester hours**

An introduction to radio broadcasting, including the basic production techniques and an overview of the historical and technical development of the medium. This course includes a series of required productions and lab assignments.

**251. COMMUNICATIONS STUDIES ABROAD****3 semester hours****255. TELEVISION PRODUCTION****3 semester hours**

An introduction to television as a channel of communications, this course examines the history, development, ethics, technology, and aesthetics of teleproduction. A lecture-lab format allows students hands-on experience with the latest video equipment.

**325. NEWS EDITING AND LAYOUT****3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JMC 225.

**345. BROADCAST JOURNALISM****3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JMC 245.

**355. WRITING FOR TELEVISION****3 semester hours**

An advanced writing and television production course designed to acquaint students with basic research and marketing analysis and their application in the creation of broadcast and continuity (e.g. public service announcements and commercials). Prerequisite: JMC 255.

**360. INTERNATIONAL COMMUNICATIONS****3 semester hours**

An examination of the media system of many countries, stressing the chief problem of communication across cultural, economic, sociological and political barriers.

**362. A STUDY OF FILMS****3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**365. RADIO PRODUCTION****3 semester hours**

An advanced study of radio production techniques, including editing, music and sound effects, mixes and fades, signal processing and multi-channel production. Coursework includes announcing, commercial, news and documentary production. Prerequisite: JMC 245.

**371. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Broadcast Performance, Rock Music and Mass Media.

**381. PRACTICUM IN JOURNALISM****1-3 semester hours**

Work experience at an advanced level in some aspect of print journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 255 and permission of instructor.

**382. PRACTICUM IN MASS COMMUNICATION****1-3 semester hours**

Work experience at an advanced level in some aspect of broadcast journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 245 or 255 and permission of instructor.

**420. LAW AND ETHICS OF MASS COMMUNICATION****3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trail, obscenity and pornography, censorship, federal regulations of broadcasting content.

**426. EDITORIAL WRITING****3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JMC 225.

**450. CRITICISM OF BOOKS, PLAYS, TELEVISION AND FILMS****3 semester hours**

Interpretation and evaluation of current literature and several critical methods with which such works may be approached. Practice in criticism and reviewing.

**491. INDEPENDENT STUDY****1-3 semester hours****COMPUTING SCIENCES**

*Coordinator of Computing Sciences:* Professor W. Hightower

*Assistant Professors:* Carpenter, Plumblee, V. Hightower, Murphy

**Computer Science Requirements (CS)**

A major in Computer Science requires Computer Science 131, 232, 331, 332, 341, 342, 351 and 9 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least 6 of which must be at the 400 level. Additional courses required are Information Systems 111 (or a high school programming course and Computer Science 361), Mathematics 111 (or competency), Mathematics 112 (or competency) 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 131, 232, 331, 341 and 6 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

**131. PROGRAMMING AND ALGORITHM DEVELOPMENT I****4 semester hours**

An introduction to problem solving methods and algorithm development using a high level programming language (PASCAL). Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Three lectures and one lab session per week. Prerequisites: MTH 111 (or its exemption) and Information Systems 111 (or a suitable high school programming course).

**171. SPECIAL TOPICS****1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisites may be specified for certain software packages.

**232. PROGRAMMING AND ALGORITHM DEVELOPMENT II****3 semester hours**

A continuation of the development of problem solving methods, using PASCAL. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CS 131. Corequisite: MTH 241.

**260. SPSS****2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisites: 3 semester hours of statistics or permission of the instructor.

**315. NUMERICAL ANALYSIS****3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: Computer Science 131, Mathematics 311 and Mathematics 321 or permission of the instructor. (CS 315 is the same as MTH 315)



**321. COMPUTER GRAPHICS****3 semester hours**

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS 232 and MTH 311.

**331. DATA STRUCTURES****3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CS 232.

**332. FILE PROCESSING****3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS 331.

**341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE I****3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Prerequisite: CS 131.

**342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE II****3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CS 341.

**351. DISCRETE STRUCTURES****3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS 131. (CS 351 is the same as MTH 351.)

**361. COMPUTERS AND SOCIETY****3 semester hours**

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisite: English 112 and 3 semester hours of Information Systems or Computer Science courses.

**371. SPECIAL TOPICS****1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 232 or permission of instructor.

**421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE****3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS 331.

**431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS****3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS 332.

**435. ORGANIZATION OF PROGRAMMING LANGUAGES****3 semester hours**

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.

**441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE****3 semester hours**

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.

**451. COMPILER DESIGN AND IMPLEMENTATION****3 semester hours**

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing; semantic processing. Prerequisites: CS 351, 435.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN COMPUTING SCIENCE****1-3 semester hours**

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours****Computer Information Systems Requirements (IS)**

A major in Computer Information Systems requires Information Systems 111, 116, 121, 222, 321, 322, 326, 451, 461 (or 481) and 6 semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses, at least 3 of which must be at the 400 level. Additional courses required are Accounting 211 and 212, Economics 211, 212 and 246, English 313, Mathematics 121 or 165, and one course from Business Administration 312, 343, 412, 426, Economics 321, 347.

A minor in Information Systems requires Information Systems 111, 116, 121, 222 and 6 semester hours of 300-400 level Computer Information Systems (IS) courses.

**111. INTRODUCTION TO COMPUTER INFORMATION SYSTEMS****3 semester hours**

An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flowcharting. The student will study procedures for interactive program execution utilizing the BASIC computer language.

**116. MICROCOMPUTER APPLICATIONS****3 semester hours**

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

**121. COBOL PROGRAMMING I****4 semester hours**

An introduction to the use of computers in business applications utilizing the COBOL programming language. Structured programming techniques will be stressed. A weekly lab will be an integral part of the course. Prerequisite: Information Systems 111.

**171. SPECIAL TOPICS****1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages. Prerequisite: May be specified for certain software packages.

**222. COBOL PROGRAMMING II****3 semester hours**

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: Information Systems 121.

**321. SYSTEMS ANALYSIS AND DESIGN****3 semester hours**

An indepth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. Prerequisite: ACC 212. Corequisites: ENG 313 and IS 222.

**322. SYSTEMS DESIGN AND IMPLEMENTATION****3 semester hours**

A continuation of the study of standard techniques for the design of information systems as well as for their implementation, testing and modification. Prerequisite: IS 321.

**326. DATA FILES AND DATABASES****3 semester hours**

Fundamentals of data structures, normalization of data modeling and database methods. Application development through fourth generation programming techniques. Prerequisite: IS 222.

**451. INFORMATION CENTER TECHNIQUES****3 semester hours**

Includes an introduction to fourth generation languages. Selection and utilization of appropriate software tools to design, assemble and test information systems. Prerequisites: IS 116, 322 and 326.

**454. DECISION SUPPORT AND EXPERT SYSTEMS****3 semester hours**

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisite: IS 326.

**457. DATA COMMUNICATION AND NETWORKS****3 semester hours**

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communicating equipment. Prerequisite: IS 326.

**461. SENIOR PROJECT****3 semester hours**

Development and implementation of a significant information systems application. Corequisite: IS 451.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN INFORMATION SYSTEMS****1-3 semester hours**

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: IS 326 and permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours**

## COOPERATIVE EDUCATION

The Cooperative Education Program (Co-op) is designed to enable qualified Elon students in selected curricula to combine classroom theory with professional work experience while completing their degrees.

A Co-op student may work either two terms in a full-time job or for a maximum of six terms in a part-time job with an employer selected and/or approved by the College. The student is contacted periodically each term by the co-op faculty coordinator in addition to receiving the employer's supervision.

Credit hours for co-op periods are based on the average number of hours worked per week during the term. Semester credit hours for a part-time or 'Parallel' co-op experience vary from one to three, and a full-time experience awards four credits.

Any students who are enrolled in curricula offering the Cooperative Education Program and have completed a minimum of 50 semester hours are eligible to enter provided they meet the following requirements:

1. have Co-op faculty coordinator's recommendation.
2. have a minimum 2.50 GPA in related area.
3. complete the classroom course COE-210 — Introduction to Cooperative Education — either prior to or during first work term.
4. have approval from Co-op Director. Interested students are encouraged to contact the Co-op Office for more information.



**210. INTRODUCTION TO COOPERATIVE EDUCATION****1 semester hour**

A study of cooperative work experience education. All phases of the program are reviewed with particular attention devoted to preparing the student for entry into the world of work.

**381-386. CO-OP WORK EXPERIENCE****1-4 semester hours**

This series of courses provides the student with either a part-time or full-time work experience. The student learns by applying classroom/lab theory and skills in a job related to the degree major and/or career objectives. Prerequisite: Full admission to the Co-op Program.

**DANCE**

The Dance program is listed under Fine Arts and Physical Education.

**DRAMA**

The Drama program is listed under Fine Arts.

**ECONOMICS**

*Dean of Love School of Business:*

*Chair:* Associate Professor Tiemann

*Associate Professors:* Baxter, Toney

*Assistant Professors:* Cottrell, Beveridge, T. Sullivan, Larson

A major in Economics requires Economics 211, 212, 246, 310, 311, 411, and 15 additional semester hours of economics electives at the junior-senior level (Social Science 312 may be substituted for 3 elective hours in economics). Additional course requirements are Mathematics 111 (or competency) and either 121 or 165; Accounting 211; Computer Information Systems 111.

A minor in Economics requires Economics 211, 212, 310, 311, a course in statistics (Economics 246, Mathematics 265 or 341, or Social Science 312), and 6 semester hours of economics electives at the junior-senior level.

**211. PRINCIPLES OF MACROECONOMICS****3 semester hours**

An introduction to the study of the economy as a whole. Topics may include national income accounts and determination, unemployment, inflation, fiscal and monetary policy and international trade. Prerequisite: MTH 111 or higher. Not sequenced with 212.

**212. PRINCIPLES OF MICROECONOMICS****3 semester hours**

An introduction to the study of the parts of the economy. Consumers, firms, industries and markets will be discussed. Income distribution, labor unions, antitrust laws or other topics may also be discussed. Prerequisite: MTH 111 or higher. Not sequenced with 211.

**246. STATISTICS FOR ECONOMICS AND BUSINESS****3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 165 or 121.

**271. SEMINAR: ECONOMIC ISSUES****3 semester hours****310. INTERMEDIATE MACROECONOMIC THEORY****3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.



**311. INTERMEDIATE MICROECONOMIC THEORY****3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

**312. COMPARATIVE ECONOMIC SYSTEMS****3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

**313. LABOR ECONOMICS****3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

**321. MANAGERIAL ECONOMICS****3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: ECO 211, 212, MTH 165 or 121.

**331. MONEY AND BANKING****3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 211, 212.

**332. PUBLIC FINANCE****3 semester hours**

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211, 212.

**341. ECONOMIC REGULATION****3 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisite: ECO 311 or 321.

**347. STATISTICAL ANALYSIS****3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246.

**411. DEVELOPMENT OF ECONOMIC THOUGHT****3 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

**412. INTERNATIONAL TRADE AND FINANCE****3 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****481 INTERNSHIP IN ECONOMICS****1-3 semester hours**

A maximum of 3 semesters are applicable for a major or minor in Economics.

**491. INDEPENDENT STUDY****1-3 semester hours**

## EDUCATION

*Chair: Department of Education and Psychology: Professor Brogan*

*Professor: J. Williams*

*Associate Professors: Simon, Speas, Wooten, Harper*

*Assistant Professors: Maness, Thomson*

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Teacher Education Committee, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina Department of Public Education\*, and maintain at least a 2.10 grade point average. Failure to maintain a 2.10 grade point average will result in the student being dismissed from the program. In all cases approval is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: The student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. When circumstances warrant, the Teacher Education Committee may dismiss a student from the teacher education program. Application forms for the teacher education program are available in the office of the chairman of the Teacher Education Committee and must be filed by October 1 or March 1 of the semester immediately prior to the beginning of the student's junior year. Students must be admitted unconditionally to the teacher education program before being permitted to take education courses beyond the 200 level.

To be accepted for student teaching the student must (1) be approved by a committee composed of faculty members of the Department of Education; (2) have written approval of the major department; and (3) have and maintain at least a 2.20 grade point average.

Upon completion of quantitative requirements a student must have a 2.20 cumulative grade point average and must have met the minimum score requirements (as established by the North Carolina Department of Public Education)\* on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

\*Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.

## Requirements for the Elementary Education Major

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111, 112; and one semester hour of Computer Information Systems.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111; and one semester hour of Computer Information Systems.

## Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 321, 331, 332; Economics 211; English 200; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 131; and Sociology 111. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210, English 111, 112, 200, 215, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and one semester hour of Computer Information Systems.

A concentration in *Mathematics* requires Mathematics 111, 112, 160, 261, 262, 265; and Computer Information Systems 111.



A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and one semester hour of Computer Information Systems.

A concentration in *Science* requires Biology 301; Chemistry 101, 103; Natural Science 162; Physics 101, 102; and one semester hour of Computer Information Systems. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 131.

### **Requirements for the Secondary Education Major**

Majors in Secondary Education consist of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 281, 312, 322, 415, subject area materials and methods course (chosen from Education 421-427), 481; Psychology 321, 341; and one of the following major areas: Biology, Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Special Subject Areas in Education**

Majors in Special Subject Areas in Education (grades K-12) consist of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education 211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Education 427 or Music 461-462); Psychology 321, 331, 341; and one of the following major areas: Music Education, Health Education, or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Minor Fields**

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

#### **211. INTRODUCTION TO EDUCATION**

**3 semester hours**

A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

#### **281. PRACTICUM PRIOR TO STUDENT TEACHING**

**1-3 semester hours**

Designed for sophomores and juniors as a pre-student teaching field experience.

#### **311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6**

**3 semester hours**

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.



**312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS****3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

**321. READING IN THE ELEMENTARY SCHOOL****3 semester hours**

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school classroom observation required. Prerequisite: EDU 211.

**322. READING IN THE CONTENT AREAS****(Middle Grades and Secondary Grades)****3 semester hours**

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school classroom observation required. Prerequisite: EDU 211.

**325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION****3 semester hours**

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Prerequisite: EDU 211, 321 or 322.

**411. MATERIALS AND METHODS IN ELEMENTARY GRADES****6 semester hours**

Evaluation and selection of materials and methods used in the organization, planning and teaching of communication skills, social studies, science and mathematics. Prerequisites: EDU 211.

**412. MATERIALS AND METHODS IN MIDDLE GRADES****3 semester hours**

Materials and methods used in teaching social studies and one additional area chosen from communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING****2 semester hours**

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-425; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211.

**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH****3 semester hours**

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS****3 semester hours**

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211.

**423. MATERIALS AND METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION****3 semester hours**

Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes. Prerequisite: EDU 211.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE****3 semester hours**

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211

425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES

3 semester hours

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211.
427. MATERIALS AND METHODS OF HEALTH AND SAFETY

3 semester hours

Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211.
441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES

3 semester hours

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year-old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.
461. SEMINAR IN CLASSROOM ENVIRONMENT

3 semester hours

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisites: EDU 211.
471. SEMINAR: SPECIAL TOPICS

1-3 semester hours
481. SUPERVISED OBSERVATION AND STUDENT TEACHING

12 semester hours

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 211, 311 or 312, and appropriate methods course(s).
491. INDEPENDENT STUDY

1-3 semester hours

ENGLISH

*Chair, Department of Literature, Languages and Communications:*  
Professor Gill  
*Professors:* Blake, Smith, Bland  
*Associate Professors:* J. Berry, Euliss, Angyal  
*Assistant Professors:* Lyday-Lee, Mackay, Maness, P. Haworth, Haskell, Herold, Adams, Cassebaum, Hood, Gordon  
*Instructor:* A. Butler  
*Part-time Instructors:* R. House, Gaffigan, Kinney, O'Connell, Way

The major in English requires 39 semester hours selected from the following groups of courses:

- I. Language (310-319, 410-419).....3 semester hours
- II. Historical Studies (320-329, 420-429).....9 semester hours
- III. Contemporary Studies (330-339, 430-439).....6 semester hours

- IV. Major Authors (340-349, 440-449).....3 semester hours
  - V. Genres (350-359, 450-459).....3 semester hours
  - VI. Electives (200-level or above, at least 3 classes  
at the 300-400 level).....15 semester hours
- One course must be a 400-level seminar.

Students majoring in English for teacher certifications are required to take English 200, 201, 202, 203 or 204, 215, 311, 312, 313 or 314, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional electives (at the 300-400 level) plus JMC 210.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

Students majoring in English or English with teacher certification under an earlier catalog should contact the Advising Center for course substitutions for previous requirements.

#### **100. BASIC WRITING SKILLS**

**3 semester hours**

A course with a lab designed to ensure the student's ability to apply basic grammar, usage and punctuation in writing, to use varied sentence patterns, and to compose well-developed paragraphs. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

#### **106. ANALYTICAL READING**

**3 semester hours**

A course designed to improve reading comprehension, reading speed and vocabulary. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

#### **111. FRESHMAN ENGLISH I**

**3 semester hours**

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

#### **112. FRESHMAN ENGLISH II**

**3 semester hours**

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

#### **171. SPECIAL TOPICS**

**3 semester hours**

A study of special topics or types of literature. It is designed for students who have not completed English 112.

#### **200. INTRODUCTION TO LITERATURE**

**3 semester hours**

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

#### **201. ENGLISH LITERATURE I**

**3 semester hours**

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**202. ENGLISH LITERATURE II****3 semester hours**

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**203. AMERICAN LITERATURE I****3 semester hours**

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**204. AMERICAN LITERATURE II****3 semester hours**

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**215. FUNDAMENTALS OF GRAMMAR****3 semester hours**

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

**251. ENGLISH STUDIES IN BRITAIN****3 semester hours**

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

**301. CHILDREN'S LITERATURE****3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Mass Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

**310-319. LANGUAGE (Group I)**

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

**311. THE ENGLISH LANGUAGE****3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisite: ENG. 111, 112.

**312. INTRODUCTION TO LINGUISTICS****3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

**313. WRITING FOR THE PROFESSIONS****4 semester hours**

A study of the theories and practices of writing in different fields, designed for students interested in careers in business, education, the natural sciences, and the social sciences. This course includes a one hour internship. Prerequisites: ENG 111, 112 and junior classification.

**314. INTRODUCTION TO RHETORIC****3 semester hours**

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.



**320-329. HISTORICAL STUDIES (GROUP II)**

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

**321. CLASSICAL LITERATURE****3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

**322. MEDIEVAL LITERATURE****3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

**323. RENAISSANCE LITERATURE****3 semester hours**

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

**324. THE ENLIGHTENMENT****3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

**325. ROMANTICISM****3 semester hours**

A study of great British, Continental and American Romantic literature, examining attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112.

**326. THE LATER NINETEENTH CENTURY****3 semester hours**

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

**330-339. CONTEMPORARY STUDIES (GROUP III)**

Studies in the literature of the twentieth century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

**331. STUDIES IN MODERN LITERATURE****3 semester hours**

A study of important literary works and movements of the first half of the twentieth century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

**332. LITERATURE OF THE SOUTH****3 semester hours**

A study of Southern literature, its background and themes, with attention given to major twentieth century writers. Prerequisites: ENG 111, 112.

**333. FEMINIST APPROACHES TO LITERATURE****3 semester hours**

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

**334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE****3 semester hours**

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

**335. STUDIES IN CONTEMPORARY LITERATURE****3 semester hours**

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

**340-349. MAJOR AUTHORS (Group IV)**

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Austen, Dickens, Twain, Hemingway, Faulkner, Cervantes, Goethe and Camus are typical offerings.

**341. CHAUCER****3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

**342. SHAKESPEARE****3 semester hours**

A study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

**343. MILTON****3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

**350-359 GENRES (Group V)**

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

**351. THE NOVEL****3 semester hours**

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

**352. DRAMA****3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

**353. POETRY****3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

**362. A STUDY OF FILMS****3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112 (ENG 362 is the same as JMC 362.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

## FINE ARTS

*Chair, Department of Fine Arts:*

*Assistant Professor: Williams*

*Instructor: Keith*

*Part-time Instructors: Gray, Wellford, Kinard,*

A minor in Dance requires 18 semester hours distributed as follows: three courses selected from Fine Arts/Physical Education 103,104,112,113,114; two courses selected from Fine Arts/Physical Education 201,202,203; two semesters of Fine Arts/Physical Education 204; two courses selected from Fine Arts/Physical Education 365, 366, 367; plus 3 semester hours of additional dance courses at the 200 or higher level.

### **103. DANCE SURVEY**

**2 semester hour**

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern ballet, tap, jazz and musical comedy. (FA 103 is the same as PE 103.)

### **104. MODERN DANCE I**

**1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance and outstanding modern dance personalities. (FA 104 is the same as PE 104.)

### **112. BALLET I**

**1 semester hour**

Study and participation in classical ballet techniques. (FA 112 is the same as PE 112.)

### **113. JAZZ DANCE I**

**1 semester hour**

Exploration of the various jazz dance techniques and styles as well as an introduction to the history and choreography of jazz dance. (FA 113 is the same as PE 113.)

### **114. DANCE IMPROVISATION**

**1 semester hour**

The study of both spontaneous and learned movements. Individual and group movement exercises include how poetry, the five senses, music, visual art and everyday gestures stimulate and influence dance. (FA 114 is the same as PE 114.)

### **201. MODERN DANCE II**

**2 semester hours**

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: FA/PE 104 or permission of instructor. (FA 201 is the same as PE 201.)

### **202. BALLET II**

**2 semester hours**

Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: FA/PE 112 or permission of instructor. (FA 202 is the same as PE 202.)

### **203. JAZZ DANCE II**

**2 semester hours**

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: FA/PE 113 or permission of instructor. (FA 203 is the same as PE 203.)

### **204. DANCE ENSEMBLE**

**1 semester hour**

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. May be repeated for credit. Prerequisite: FA/PE 104 or 112 or equivalent dance experience. (FA 204 is the same as PE 204.)

### **211. INTRODUCTION TO FINE ARTS**

**3 semester hours**

A comparative study of major artistic styles and movements using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and esthetic values.

- 215. INTRODUCTION TO MUSIC LITERATURE** 3 semester hours  
(Same course as MUS 215. See MUS 215 for description.)
- 217. MUSIC APPRECIATION** 3 semester hours  
An overview of the art of music from approximately 1600 to the present day. Designed for the layman. Materials to be covered include compositional styles and development of musical forms by the great masters. (Same as MUS 217.)
- 218. HISTORY OF JAZZ** 3 semester hours  
(Same course as MUS 218. See MUS 218 for description.)
- 221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES** 3 semester hours  
(Same course as ART 221. See ART 221 for description.)
- 223. HISTORY OF ART: RENAISSANCE TO THE PRESENT** 3 semester hours  
(Same course as ART 223. See ART 223 for description.)
- 251. FINE ARTS STUDIES IN ENGLAND** 3 semester hours  
A study-tour in London with emphasis on theaters, concerts and places of cultural importance. Winter Term only.
- 360. INTRODUCTION TO THEATER** 3 semester hours  
An exploration of the theater as a dynamic art form and how the author, director, actor and designer work together to create the final product.
- 361. THEATER WORKSHOP** 1-3 semester hours  
A practicum in all aspects of drama production. Students accepted by audition with the production director.
- 363. FUNDAMENTALS OF ACTING** 3 semester hours  
Designed to teach students to express themselves freely in the theater environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and a sense of the operative theater. Prerequisite: Permission of instructor.
- 364. CHILDREN'S THEATER** 3 semester hours  
The course emphasizes how to produce and direct plays for young people and develops an understanding of the value and place of children's theater in modern society.
- 365. METHODS AND MATERIALS OF DANCE** 3 semester hours  
(Same course as PE 365. See PE 365 for description.)
- 366. DANCE CHOREOGRAPHY** 3 semester hours  
Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (FA 366 is the same as PE 366.)
- 367. HISTORY OF DANCE** 3 semester hours  
A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical comedy, religious and social dance. (FA 367 is the same as PE 367.)
- 368. HISTORY OF AMERICAN MUSICAL THEATER** 3 semester hours  
A survey of the development of musical comedy in America from its origins in 1866 to the present. Major works, composers, lyricists, librettists and choreographers are studied. (FA 368 is the same as MUS 368.)
- 421. MUSICAL THEATER WORKSHOP** 3 semester hours  
A practicum in all aspects of musical theater production. Students accepted by audition with the production director. Winter term only.



## FOREIGN LANGUAGES

*Chair, Department of Literature, Languages and Communications:* Professor Gill  
*Professor:* W. Rich

*Associate Professors:* Rodriquez, Lunsford

*Assistant Professors:* Piepke, Romer, Wilson

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in German requires 18 semester hours of German courses. At least 6 of the semester hours must be at the 300-400 level.

### **FRENCH 101, 102. FOUNDATIONS OF FRENCH**

**3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the French language and on practical conversation in a cultural setting. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

### **FRENCH 111, 112. ELEMENTARY FRENCH**

**3 semester hours each semester**

An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

### **FRENCH 211, 212. INTERMEDIATE FRENCH**

**3 semester hours each semester**

A systematic review of French grammar for students with a minimum of 2 years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school French or FRE 111, 112 or equivalent.

### **FRENCH 371. SPECIAL TOPICS**

**3 semester hours**

### **GERMAN 101, 102. FOUNDATIONS OF GERMAN**

**3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the German language and on practical conversation in a cultural setting. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

### **GERMAN 111, 112. ELEMENTARY GERMAN**

**3 semester hours**

An introductory course for students who have taken at least 2 years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

### **GERMAN 211, 212. INTERMEDIATE GERMAN**

**3 semester hours each semester**

A systematic review of German grammar for students with a minimum of 2 years of high school German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school German or GER 111, 112 or equivalent.

### **GERMAN 371. SPECIAL TOPICS**

**3 semester hours**

### **GREEK 111, 112. ELEMENTARY GREEK**

**3 semester hours each semester**

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

### **GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK**

**3 semester hours each semester**

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 101, 102. FOUNDATIONS OF SPANISH** 3 semester hours each semester

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**SPANISH 111, 112. ELEMENTARY SPANISH** 3 semester hours each semester

An introductory course for students who have at least two years of any one foreign language in high school. It develops language skills by stressing cultural content, conversational use, and pronunciation while also giving a basis in Spanish grammar.

**SPANISH 211, 212. INTERMEDIATE SPANISH** 3 semester hours each semester

A systematic review of Spanish grammar for students with a minimum of 2 years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION** 3 semester hours

Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION** 3 semester hours

Continued work in conversation with new emphasis on writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I** 3 semester hours

A chronological survey of the development of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II**

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 341. LATIN-AMERICAN LITERATURE I** 3 semester hours

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 342. LATIN-AMERICAN LITERATURE II** 3 semester hours

A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 371. SPECIAL TOPICS** 3 semester hours**SPANISH 471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours**SPANISH 491. INDEPENDENT STUDY** 1-3 semester hours

## GEOGRAPHY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Assistant Professor:* Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

**121. PHYSICAL GEOGRAPHY** 3 semester hours

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

**131. WORLD REGIONAL GEOGRAPHY****3 semester hours**

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

**311. GEOGRAPHY OF THE UNITED STATES AND CANADA****3 semester hours**

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

**321. GEOGRAPHY OF EUROPE****3 semester hours**

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

**331. GEOGRAPHY OF NORTH CAROLINA****3 semester hours**

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

**341. URBAN GEOGRAPHY AND PLANNING****3 semester hours**

The spatial study of cities and the internal land-use and activity patterns are studied with particular reference to North American patterns. The philosophy, methods and types of urban planning. Offered alternate years.

**343. ECONOMIC GEOGRAPHY****3 semester hours**

A study of the human and environmental influences on the locations of the different types of economic activity and the resulting spatial patterns. Emphasis on location of agricultural and manufacturing production and the distribution of the various land uses within cities. Offered alternate years.

**491. INDEPENDENT STUDY****1-3 semester hours**

## HISTORY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Professors:* Delp, Moncure, G. Troxler, Crowe

*Associate Professor:* C. Troxler

*Assistant Professors:* L. Rich, Midgett, Kraig

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from political science; plus 9 semester hours on the junior-senior level from the social sciences, literature, religion, or from any course in philosophy, psychology, or foreign language (at the 111 level or above).

History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in history. A minor in American history requires History 211, 212, one seminar in American history, and nine elective hours in United States or Latin American history. A minor in European history requires History 111, 112, one seminar in European or English history, and nine elective hours from European, English, and/or Russian history.

**111, 112. HISTORY OF WESTERN CIVILIZATION****3 semester hours each semester**

European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.



**211, 212. AMERICAN HISTORY****3 semester hours each semester**

American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

**251. HISTORY STUDIES ABROAD****3 semester hours**

A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

**311, 312. HISTORY OF ENGLAND****3 semester hours each semester**

English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

**313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS****3 semester hours**

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

**314. LATIN AMERICA IN THE TWENTIETH CENTURY****3 semester hours**

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

**315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD****3 semester hours**

A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

**316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD****3 semester hours**

A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

**321. HISTORY OF MODERN CHINA****3 semester hours**

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

**341. UNITED STATES FOREIGN POLICY TO 1939****3 semester hours**

Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939****3 semester hours**

(Same course as PS 342. See PS 342 for description.)

**343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES****3 semester hours**

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

**344. THE SOUTH IN AMERICAN HISTORY****3 semester hours**

The civilization of the South from the time the region became conscious of its identity to the present. Particular consideration is given to the effects of the Civil War and reconstruction, significant political trends, development in agriculture and industry, educational and cultural progress, the Negro, World War II, and the South today. Prerequisites: HST 211, 212 or permission of instructor.



**345. AMERICAN MILITARY SCIENCE****3 semester hours**

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

**346. NORTH CAROLINA HISTORY****3 semester hours**

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

**348. UNITED STATES SINCE 1933****3 semester hours**

Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

**353. EUROPE IN TRANSFORMATION, 1100-1600****3 semester hours**

A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

**354. EUROPE 1600-1791****3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

**355. NINETEENTH CENTURY EUROPE 1791-1914****3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

**357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT****3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA****3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789****3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisites: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR****3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM****3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH** 3 semester hours

Topics include the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. The course begins with the accession of Henry VIII in 1485 and ends with the death of Elizabeth in 1603. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION** 3 semester hours

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS** 3 semester hours

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN HISTORY** 3 semester hours

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

**491. INDEPENDENT STUDY** 3 semester hours

Open to history majors and minors who have junior or senior standing or by permission of instructor.

## HUMAN SERVICES

*Chair:* Associate Professor Higgs

*Professor:* Brogan, Granowsky

*Assistant Professors:* P. Kiser, V. Luko, Fromson

A major in Human Services requires Human Services 211, 212, 333, 351, 381, 411, 412, 413, 481; Psychology 211, 331, 341, 421; Sociology 111, 211, 311; Mathematics 265; and Philosophy 111 or 115 or Religion 241. Additional requirements are 6 semester hours selected from Human Services 231, 241, 324, 345, 431, 435, 471 (topics approved by the department), History 343, Psychology 332 and 441.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the human services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship in the fall semester must be submitted no later than March 1. Applications for taking the Internship in the spring semester must be submitted no later than October 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 4. A minor in Gerontology requires Human Services 211, 241, 324, 345, 351 and 381. The practicum must be taken in a facility or program for the elderly.

**203. LEADERSHIP****2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Counselors.

**211. INTRODUCTION TO HUMAN SERVICES****3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

**212. METHODS IN HUMAN SERVICES****3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

**231. SOCIAL GROUP WORK****3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

**241. INTRODUCTION TO AGING****3 semester hours**

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

**324. LEISURE AND AGING****3 semester hours**

(Same course as REC 324. See REC 324 for description.)

**333. ABNORMAL BEHAVIOR****3 semester hours**

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211. (HUS 333 is the same as PSY 333.)

**345. ISSUES IN AGING****3 semester hours**

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

**351. ADULT DEVELOPMENT****3 semester hours**

An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, affective, social and spiritual). Prerequisite: PSY 211. (HUS 351 is the same as PSY 351.)

**381. PRACTICUM IN HUMAN SERVICES****3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.

**411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES****3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

**412. PROFESSIONAL COMMUNICATION****3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

**413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES****3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.



**431. PRINCIPLES OF COUNSELING****3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.

**435. FAMILY COUNSELING****3 semester hours**

Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP IN HUMAN SERVICES****6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY****1-3 semester hours****JOURNALISM**

The journalism program is listed under Communications.

**MATHEMATICS**

*Chair, Department of Mathematics and Computing Sciences: Professor R. Haworth*

*Professors: Francis, W. Hightower*

*Associate Professors: Alexander, Barbee, Speas*

*Assistant Professors: Reichard, Richardson, Whitaker*

*Part-time Instructors: C. Holt, Scarlett, Walton*

A major in Mathematics requires Mathematics 112, 121, 221, 241, 311, 312, 321, 425; 9 additional semester hours of Mathematics at the 300-400 level (excluding 481); IS 111; CS 131 and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 112, 121, 221, 241, 311, 312, 321, 331, 341, 425; IS 111; CS 131; and Physics 113, 114, 115, 116.

A minor in Mathematics requires Mathematics 112, 121, 221, 241, 311, and one additional 3- or 4-semester-hour course selected from computing sciences, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Math 111, 112 and/or IS 111 by demonstrating proficiency.

**100. INTRODUCTORY ALGEBRA****3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite. A final grade of "C" is prerequisite for registration for any higher math course.

**111. COLLEGE ALGEBRA****3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

**112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS****3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.



**121. CALCULUS AND ANALYTIC GEOMETRY I****4 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

**160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS****3 semester hours**

Topics covered include matrices, linear systems, linear programming, probability, counting problems and elementary statistics.

**165. APPLIED MATHEMATICS WITH CALCULUS****3 semester hours**

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

**221. CALCULUS AND ANALYTIC GEOMETRY II****4 semester hours**

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.

**241. LOGIC AND DISCRETE MATHEMATICS****3 semester hours**

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 111 or competency.

**261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS****3 semester hours each semester**

Primarily a content course open only to the students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.

**265. ELEMENTARY STATISTICS****3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

**311. LINEAR ALGEBRA****3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221.

**312. MODERN ALGEBRA****3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

**315. NUMERICAL ANALYSIS****3 semester hours**

(Same course as CS 315. See CS 315 for description.)

**321. CALCULUS AND ANALYTIC GEOMETRY III****4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

**331. MODERN GEOMETRY****3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

**341. PROBABILITY THEORY AND STATISTICS****3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

**351. DISCRETE STRUCTURES****3 semester hours**

(Same course as CS 351. See CS 351 for description.)

**421. DIFFERENTIAL EQUATIONS****3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

**425, 426. ANALYSIS****3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

**481. INTERNSHIP IN MATHEMATICS****1-3 semester hours**

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

**491. INDEPENDENT STUDY****1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## MEDICAL TECHNOLOGY

*Chair, Department of Biology and Allied Health; Professor H. House*

*Adjunct Assistant Professor and Program Director: J. Smith*

*Adjunct Assistant Professor and Medical Director: Gay*

*College Program Director: House*

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; Biology 482, 483, 484, 485, 486, 487, 488; and a 1 semester hour course in Immunology.

## MILITARY SCIENCE

*Chair, Department of Military Science: Bowers*

*Assistant Professor: Jackson*

*Instructors: Johnson, Browning, Bright*

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

*Advanced Course:* Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, 442 and History 345.

*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

### **111. INTRODUCTION OF CITIZEN/SOLDIER**

**1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian



obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

## **112. INTRODUCTION TO UNITED STATES MILITARY FORCES IN SUPPORT OF NATIONAL DEFENSE**

**1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

## **141, 142. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

## **211. MAP READING SKILL DEVELOPMENT**

**1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

## **212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES**

**1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

## **241, 242. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

## **251. ARMY ROTC BASIC CAMP**

**4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

## **311. LEADERSHIP TRAINING**

**2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

## **312. INTRODUCTION TO MILITARY TEAM THEORY**

**2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of each branch of the Army.

## **341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

## **351. ARMY ROTC ADVANCED CAMP**

**4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

## **411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics.



**412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION****2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

**441, 442. LEADERSHIP LABORATORY****1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

**451. AIRBORNE TRAINING****3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

**MUSIC**

*Chair, Department of Fine Arts:*

*Associate Professor:* Bragg

*Assistant Professors:* Goter, Lewis, Ten Eyck, E. Williams

*Part-time Professor:* Artley

*Part-time Instructors:* King, P. Sullivan, V. Dula, Stone, Warren, Link

**Requirements for the Major in Music**

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 413, a choice of 411 or 366, a minimum of 8 semesters of ensemble (Music 101, 102, 103), aural and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

**Requirements for the Major in General Music**

A major in General Music for the A.B. degree has the same courses, ensemble, aural/keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

**Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 413, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), aural and keyboard proficiency and concert attendance as out-

lined in the *Music Student Handbook*. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### **General Regulations**

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

### **Applied Music—Individual and Group Instruction**

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *All students must register for group or individual applied music instruction through the office of the chairman of the Department of Fine Arts.*

### **Applied Music Levels**

**Piano:**  
120, 220, 320, 420

**Organ:**  
121, 221, 321, 421

**Voice:**  
122, 222, 322, 422

**Trumpet:**  
123, 223, 323, 423

**French Horn:**  
124, 224, 324, 424

**Trombone:**  
125, 225, 325, 425

**Baritone (Euphonium):**  
126, 226, 326, 426

**Tuba:**  
127, 227, 327, 427

**Flute:**  
128, 228, 328, 428

**Oboe:**  
129, 229, 329, 429

**Clarinet:**  
130, 230, 330, 430

**Bassoon:**  
131, 231, 331, 431

**Saxophone:**  
132, 232, 332, 432

**Violin:**  
133, 233, 333, 433

**Viola:**  
134, 234, 334, 434

**Cello:**  
135, 235, 335, 435

**String Bass:**  
136, 236, 336, 436

**Guitar:**  
137, 237, 337, 437

**Percussion:**  
138, 238, 338, 438

## Applied Music Classes—Group Instruction

### 152,153. VOICE CLASS I & II

1 semester hour each semester

Group voice instruction (beginning and intermediate). Audition required.

### 154-157. PIANO CLASS I-IV

1 semester hour each semester

Group piano instruction ranging from beginning to intermediate. Audition required.

### 258,259. DICTION FOR SINGERS

1 semester hour each semester

Required of voice majors.

## Music Materials, Structures and Techniques

### 111, 112. THE MATERIALS OF MUSIC I & II

3 semester hours

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

### 113, 114. MUSIC SKILLS LAB I & II

1 semester hour each semester

Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

### 211, 212. THE MATERIALS OF MUSIC III & IV

3 semester hours

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisites: MUS 112, 114.

### 213, 214. MUSIC SKILLS LAB III & IV

1 semester hour each semester

Designed to be taken in conjunction with Music 211, 212.

### 311. COUNTERPOINT I

2 semester hours

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisites: MUS 212, 214.

### 312. COUNTERPOINT II

2 semester hours

Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

### 313. FORM AND ANALYSIS

2 semester hours

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisites: MUS 212, 214.

### 411. INSTRUMENTAL AND CHORAL ARRANGING

2 semester hours

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisites: MUS 212, 214.

### 412. COMPOSITION

2 semester hours

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

### 413. TWENTIETH CENTURY TECHNIQUES

2 semester hours

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music. Prerequisite: MUS 313.

## Literature and History

### 215. INTRODUCTION TO MUSIC LITERATURE

3 semester hours

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the new music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

**217. MUSIC APPRECIATION** **3 semester hours**  
 (Same as Fine Arts 217. See Fine Arts 217 for description.)

**218. HISTORY OF JAZZ** **3 semester hours**  
 A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1985. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES** **3 semester hours each semester**  
 A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisites: MUS 212, 214. MUS 315 prerequisite for MUS 316.

**368. HISTORY OF AMERICAN MUSICAL THEATER** **3 semester hours**  
 (Same course as FA 368. See FA 368 for description.)

## Music Education

**261. MUSIC IN THE ELEMENTARY SCHOOL** **3 semester hours**  
 A study of the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

**361. PERCUSSION METHODS** **1 semester hours**

**362. BRASS METHODS** **1 semester hour**

**363. WOODWIND METHODS** **1 semester hour**

**364. CHORAL/VOCAL METHODS** **1 semester hour**

**365. STRING METHODS** **1 semester hour**

**366. CONDUCTING** **2 semester hours each semester**  
 Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices. Prerequisites: MUS 212, 214.

**461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS** **3 semester hours each semester**  
 A study of methods and materials suitable for the elementary, middle and senior school levels. Prerequisites: MUS 212, 214.

## Ensembles

**101. BAND (open to all students)** **1 semester hour**

**102. CHOIR (open to all students)** **1 semester hour**

**103. ORCHESTRA (by audition)** **1 semester hour**

**104. JAZZ ENSEMBLE (by audition)** **1 semester hour**

**105. CHAMBER SINGERS (by audition)** **1 semester hour**

**106. CHAMBER ENSEMBLE (by audition)** **1 semester hour**



## Other Offerings

### 251. MUSIC STUDIES IN ENGLAND

3 semester hours

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

### 360. METHODS AND MATERIALS OF PIANO PEDAGOGY

2 semester hours

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

### 471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

Small group study under the guidance of a member of the staff.

### 481. PRACTICUM IN MUSIC THEATER

1-3 semester hours

A practicum in all aspects of theater production. Students accepted by audition with the production director.

### 491. INDEPENDENT STUDY

1-3 semester hours

## NATURAL SCIENCE

*Professors:* Danieleley, F. Harris, H. House

*Assistant Professors:* Fields, Agnew

*Instructor:* Baunach

### 160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

### 161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

2 semester hours

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors. Prerequisite: NS 160 or permission of instructor.

### 162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstration. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

## PHILOSOPHY

*Chair:* Professor Sullivan

*Associate Professor:* Waller

*Assistant Professor:* Boxill

A major in Philosophy requires Philosophy 111, 113, 115; two courses from Philosophy 341, 342, 343, 344, 352, 355; four courses from Philosophy 331, 332, 333, 431, 432; and 6 semester hours in French, Greek, German or Spanish. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.

**111. INTRODUCTION TO PHILOSOPHY****3 semester hours**

Introduces student to the philosophical approach to an understanding of his world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

**113. LOGIC****3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

**115. ETHICS****3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles to specific solutions in which moral choices are made by individuals and policy-making bodies.

**331. ANCIENT PHILOSOPHY****3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

**332. MEDIEVAL PHILOSOPHY****3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

**333. MODERN PHILOSOPHY****3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

**341. PHILOSOPHY OF LAW****3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

**342. PHILOSOPHY AND SOCIETY****3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when man himself is the object of investigation.

**343. AGES AND STAGES OF LIFE****3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

**344. PHILOSOPHY OF SCIENCE****3 semester hours**

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

**352. EASTERN PHILOSOPHY****3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tzu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

**431. CONTEMPORARY PHILOSOPHY****3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Part I examines British analytical philosophy and considers figures such as Russell, Wittgenstein, Ayer and Austin. Part II focuses on Existentialism and considers figures such as Sartre, Camus, Heidegger and Buber.

**432. AMERICAN PHILOSOPHY****3 semester hours**

An examination of the development of the American mentality from the colonial period to the present. Special attention is given to Edwards, Emerson, Dewey and Skinner as representative figures in the development of American culture.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****PHYSICAL EDUCATION AND HEALTH**

*Chair, Department of Health, Physical Education and Recreation:*

*Professor Brown*

*Professor: A. White*

*Associate Professor: Parham, Drummond*

*Assistant Professors: Beedle, L. Carden, Morningstar, Baker, Ballard, Bailey, Jones, Calhoun, Burton, K. Carden*

*Instructors: Myers, Bodle, Humphries, Lindsay, Ray*

*Part-time Instructors: Gray, Wellford*

**Physical Education Requirements**

A major in Physical Education requires HPER 211, 221, 321, 411, 422; Biology 265, plus completion of at least one of the following three emphasis components:

(1) Teacher certification for Physical Education requires HPER 161, 162, 263, 310, 360, 363, 365; one course from HPER 342, 343, 344, 345, 347; HPER 410, 423 and EDU 423 in addition to Education requirements.

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

(2) Community Recreation requires Recreation 211, 322, 323, 424, 425, 481 (6 semester hours); Business Administration 302; Communications 210; and HPER 161 or 263, 162 and 310.

(3) Commercial Leisure and Sports Management requires Accounting 211, 212; Business Administration 302, 311, 323; Economics 212; Recreation 325, 424; HPER 109, 161 or 263 and 162.

A minor in Physical Education requires HPER 162, 211, 221, 263, 360 or 365, 410, 411

A minor in Sports Medicine requires Biology 265, HPER 221, 321, 424, and 481 (3 semester hours).

A minor in Physical Education with a coaching concentration requires HPER 211, 221, 310, 410; two courses from HPER 342, 343, 344, 345, 347; and HPER 461 (Seminar in Athletic Coaching—3 semester hours).

### **Health Education Requirements**

A major in Health Education requires HPER 120, 160, 211, 220, 322, 323, 410, 411, 412; Biology 265, Psychology 332, 333, 415; and EDU 427 in addition to Education requirements for certification.

Physical Education endorsement for the Health Education major requires EDU 423 and 15 additional hours chosen from the required PE certification courses.

**100. TENNIS AND BADMINTON** 1 semester hour

**101. HANDBALL AND RACQUETBALL** 1 semester hour

**102. ELEMENTARY GYMNASTICS** 1 semester hour

**103. DANCE SURVEY** 2 semester hours  
(Same course as FA 103. See FA 103 for description.)

**104. MODERN DANCE I** 1 semester hour  
(Same course as FA 104. See FA 104 for description.)

**105. GOLF AND ARCHERY** 1 semester hour  
Laboratory fee \$25.00.

**106. BEGINNING SWIMMING** 1 semester hour  
Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.

**107. INTERMEDIATE TO ADVANCED SWIMMING** 1 semester hour  
Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification.

**108. ADVANCED LIFE SAVING AND WATER SAFETY** 1 semester hour  
Provides knowledge and skill designed to save student's own life or the life of another; not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.

**109. OVERLOAD CONDITIONING** 1 semester hour  
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.

**110. SNOW SKIING—BEGINNER TO ADVANCED** 1-3 semester hours  
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only.) Extra fees required. (For details, consult Physical Education Department staff.)

**112. BALLET I** 1 semester hour  
(Same course as FA 112. See FA 112 for description.)

**113. JAZZ DANCE I** 1 semester hour  
(Same course as FA 113. See FA 113 for description.)

**114. DANCE IMPROVISATION** 1 semester hour  
(Same course as FA 114. See FA 114 for description.)



**116. OUTWARD BOUND EXPERIENCE****1-3 semester hours**

Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. (PE 116 is the same as REC 116.)

**117. EQUITATION I****1 semester hour**

Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping.

**118. EQUITATION II****1 semester hour**

The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPER 117 or permission of instructor.

**119. EQUITATION III****1 semester hour**

The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPER 118 or permission of instructor.

**120. CONTEMPORARY HEALTH PROBLEMS****3 semester hours**

A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.

**160. FOUNDATIONS OF PHYSICAL ACTIVITY****2 semester hours**

The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.

**161, 162. LIFETIME SPORTS SKILLS LABORATORY****2 semester hours each semester**

Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only. Laboratory fee \$25.00 for PE 161.

**201. MODERN DANCE II****2 semester hours**

(Same course as FA 201. See FA 201 for description.)

**202. BALLET II****2 semester hours**

(Same course as FA 202. See FA 202 for description.)

**203. JAZZ DANCE II****2 semester hours**

(Same course as FA 203. See FA 203 for description.)

**204. DANCE ENSEMBLE****1 semester hour**

(Same course as FA 204. See FA 204 for description.)

**208. WATER SAFETY INSTRUCTORS COURSE****2 semester hours**

Designed to teach students how to teach others swimming and lifesaving skills and aspects of First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.

**209. SKIN AND BASIC SCUBA DIVING****2 semester hours**

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL  
EDUCATION AND RECREATION****3 semester hours**

An introductory study in the history of health education, physical education and recreation; philosophical, psychological, physiological, and sociological bases for activity.

**220. FIRST AID (Non-Majors Only)****3 semester hours**

Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**221. SPORTS MEDICINE/FIRST AID (Majors Only)****3 semester hours**

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**260. SAFE DRIVING****3 semester hours**

The principles of teaching basic driving skills, including defensive driving, observation and interpretation of motor vehicle laws, adverse driving conditions, and care and use of the automobile. Classroom instruction and in-car instruction. Laboratory fee.

**263. SPORTS SKILLS LABORATORY****2 semester hours**

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING****2 semester hours**

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

**310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING****3 semester hours**

Emphasis is placed upon qualities of the teacher-coach, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

**321. KINESIOLOGY****3 semester hours**

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 265.

**322. HEALTH OF THE BODY SYSTEMS****3 semester hours**

A study of the interdependency of body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases, immune system, dental health, and socio-cultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 265.

**323. NUTRITION AND SUBSTANCE ABUSE****3 semester hours**

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

**342. METHODS OF COACHING FOOTBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

**343. METHODS OF COACHING BASKETBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

**344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

**345. METHODS OF COACHING SOCCER AND VOLLEYBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

**347. METHODS OF COACHING WRESTLING****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

**360. METHODS AND MATERIALS FOR ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)****3 semester hours**

Designed for elementary teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

- 361. METHODS AND MATERIALS FOR MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)** **3 semester hours**  
Designed for middle school teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.
- 363. METHODS AND MATERIALS OF GYMNASTICS** **2 semester hours**  
A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized.
- 365. METHODS AND MATERIALS OF DANCE** **3 semester hours**  
Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels. (PE 365 is the same as FA 365.)
- 366. DANCE CHOREOGRAPHY** **3 semester hours**  
(Same course as FA 366. See FA 366 for description.)
- 367. HISTORY OF DANCE** **3 semester hours**  
(Same course as FA 367. See FA 367 for description.)
- 410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS** **3 semester hours**  
A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools and colleges or other appropriate settings. Fall semester only.
- 411. MEASUREMENT AND EVALUATION IN HPER** **3 semester hours**  
Includes techniques of the administration of basic motor ability tests, and tests of associated and concomitant learnings in physical education and means of utilizing test data for specified purposes.
- 412. CONSUMERISM AND COMMUNITY HEALTH** **3 semester hours**  
An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.
- 422. PHYSIOLOGY OF EXERCISE** **3 semester hours**  
The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 265.
- 423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD** **3 semester hours**  
A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.
- 424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING** **3 semester hours**  
Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training.
- 461. SEMINAR IN ATHLETIC COACHING** **3 semester hours**  
Winter Term only.
- 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**  
Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.
- 481. INTERNSHIP IN PHYSICAL EDUCATION** **1-6 semester hours**
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## PHYSICS

*Chair, Department of Physical Sciences: Professor F. Harris*

*Assistant Professor: Agnew*

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 421, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

### 101. BASIC CONCEPTS OF PHYSICS

**4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

### 102. FUNDAMENTALS OF ASTRONOMY

**3 semester hours**

A basic course designed to acquaint the non-science major with the many aspects and triumphs of astronomy as a modern science. Lectures, laboratories and trips to nearby facilities. Prerequisite: PHY 101 or permission of instructor.

### 103. FUNDAMENTALS OF PHOTOGRAPHY

**3 semester hours**

A basic course providing an introduction to black and white photography. Topics include use of the adjustable 35 mm single-lens reflex camera, film processing, projection printing, and preparation of the finished mounted print. 2 class hours and 2 laboratory hours per week.

### 111, 112. GENERAL PHYSICS I AND II

**3 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

### 113, 114. GENERAL PHYSICS I AND II WITH CALCULUS

**3 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Prerequisite: MTH 121.

### 115, 116. GENERAL PHYSICS LABS I AND II

**1 semester hour each semester**

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

### 201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION

**3 semester hours**

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

### 211, 212. MECHANICS AND HEAT

**3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

### 311, 312. ELECTROMAGNETISM AND OPTICS

**3 semester hours each semester**

Fundamental concepts of electromagnets. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 121.



**391. INDEPENDENT STUDY****1 or 2 semester hours each semester**

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS****3 semester hours each semester**

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

**421, 422. ADVANCED LABORATORY****1 semester hour each semester**

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

**481. INTERNSHIP IN PHYSICS****1-3 semester hours**

## POLITICAL SCIENCE

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Long, Taylor, Zarzar, Anderson, Brumbaugh

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 312; Computer Information Systems 111; Economics 211; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 312; and 6 additional hours in Political Science.

**131. INTRODUCTION TO AMERICAN GOVERNMENT****3 semester hours**

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION****3 semester hours**

(Same course as PA 211. See PA 211 for description.)

**232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES****3 semester hours**

A study of the structure and functioning of the state and local government and its role within the federal system.

**241. INTERNATIONAL RELATIONS****3 semester hours**

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

**311. PUBLIC POLICY****3 semester hours**

(Same course as PA 311. See PA 311 for description.)

**331. COMPARATIVE POLITICS****3 semester hours**

A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.

**341. UNITED STATES FOREIGN POLICY TO 1939****3 semester hours**

(Same course as HST 341. See HST 341 for description.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939****3 semester hours**

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)

**343. THE AMERICAN PRESIDENCY****3 semester hours**

A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.

**352. POLITICAL THOUGHT****3 semester hours**

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of instructor.

**353. MODERN POLITICAL THOUGHT****3 semester hours**

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.

**354. POLITICAL SOCIALIZATION****3 semester hours**

The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.

**356. DEMOCRACY AND TOTALITARIANISM****3 semester hours**

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.

**357. ELECTORAL BEHAVIOR****3 semester hours**

A study of the electoral process and an analysis of the determinants of voting behavior.

**358. PARTIES AND INTEREST GROUPS****3 semester hours**

A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.

**362. TOPICS IN THIRD WORLD POLITICS****3 semester hours**

Study of a selected topic pertinent to third world politics.

**420. WORKSHOP IN POLITICS****3 semester hours**

Personal experience in the political system of the U.S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

**441. WAR, PEACE AND CONFLICT RESOLUTION****3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****481. INTERNSHIP IN POLITICAL SCIENCE****1-3 semester hours**

Prerequisites: PS 131 and 211.

**491. INDEPENDENT STUDY****1-3 semester hours**

## PSYCHOLOGY

*Chair, Department of Education and Psychology:* Professor Brogan

*Associate Professors:* Granowsky, Simon, Higgs

*Assistant Professors:* Harper, P. Kiser, Soliday, Pickens, Fromson, McClearn

A major in Psychology requires Psychology 211, 432, 471; 3 courses from PSY 221, 241, 261 and MTH 265; plus an additional 21 semester hours from Psychology courses and/or Human Services 431, 435, PHL 343 or MTH 265.

A minor in Psychology requires Psychology 211, a course in statistics/methodology (Mathematics 265, Social Science 312 or Economics 246), plus 15 semester hours selected from Psychology courses and/or Philosophy 343, Human Services 431, 435.

### **211. GENERAL PSYCHOLOGY**

**3 semester hours**

An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.

### **221. INTRODUCTION TO BIOPSYCHOLOGY**

**3 semester hours**

This course will explore the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions, such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

### **231. SOCIAL PSYCHOLOGY**

**3 semester hours**

(Same course as SOC 231. See SOC 231 for description.)

### **241. APPLIED PSYCHOLOGY**

**3 semester hours**

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health psychology, industrial/organizational psychology, consumer psychology, engineering and environmental psychology, and psychology and law.

### **261. EXPERIMENTAL PSYCHOLOGY**

**3 semester hours**

An introductory course on method and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, develop an experimental design, analyze data, and report findings. Prerequisite: Psychology 211.

### **311. PSYCHOLOGY OF ADJUSTMENT**

**3 semester hours**

An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.

### **321. EDUCATIONAL PSYCHOLOGY**

**3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence, motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisites: PSY 211.

### **331. PSYCHOLOGY OF CHILDHOOD**

**3 semester hours**

The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child through the middle school. Prerequisite: PSY 211.

### **332. PSYCHOLOGY OF EXCEPTIONALITY**

**3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. An internship in a local school is required. Prerequisite: PSY 211.

**333. ABNORMAL BEHAVIOR****3 semester hours**

( Same course as HUS 333. See HUS 333 for description.)

**341. PSYCHOLOGY OF ADOLESCENCE****3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality. Prerequisite: PSY 211.

**351. ADULT DEVELOPMENT****3 semester hours**

(Same course as HUS 351. See HUS 351 for description.)

**411. PSYCHOLOGICAL MEASUREMENT****3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**415. HUMAN SEXUALITY****3 semester hours**

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior.

**421. THEORIES OF PERSONALITY****3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY****3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisites: PSY 211 and permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP IN PSYCHOLOGY****1-3 semester hours**

Three semester hours may be applied toward major.

**491. INDEPENDENT STUDY****1-3 semester hours****PUBLIC ADMINISTRATION**

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Taylor, Brumbaugh

A major in Public Administration requires Public Administration 211, 311, 431, 477 and 478; Political Science 131, 232; Social Science 312; Accounting 211; Economics 211, 212; and Computer Information Systems 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; JMC 210; Economics 313, 321, 332; Business Administration 323, 325, 328; Recreation 322, 424, 425; and Political Science 343, 420, 471.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 131; and Business Administration 323 and 325.



**211. INTRODUCTION TO PUBLIC ADMINISTRATION****3 semester hours**

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

**311. PUBLIC POLICY****3 semester hours**

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

**351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION****3 semester hours**

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

**431. POLICY ANALYSIS AND PROGRAM EVALUATION****3 semester hours**

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

**477, 478. SENIOR THESIS****2 semester hours each semester**

Year long study which includes topic selection, topic research and proposal, and both a written and oral final presentation. Prerequisites: Senior status and SS 312.

**481. INTERNSHIP IN PUBLIC ADMINISTRATION****1-6 semester hours**

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

**491. INDEPENDENT STUDY****1-3 semester hours****RADIO BROADCASTING**

The Radio Broadcasting program is listed under Communications.

**RADIOLOGIC TECHNOLOGY**

*Chair, Department of Biology and Allied Health: Professor H. House.*  
*Coordinator: Professor Rao*

The requirements for the Bachelor of Applied Science in Radiologic Technology consist of (1) completion of a 24-month, A.M.A. approved program in Radiologic Technology; (2) completion of the general studies requirements; (3) one full academic year of study at Elon; and (4) completion of the following specific course requirements: Biology 111, 265, Chemistry 101, Physics 101, Psychology 211. The student has the option of completing the clinical phase of the program either before or after completion of the course requirements at Elon. If the program is initiated at Elon, the College will provide assistance to the student in applying for admission to an approved clinical program. Students who complete the clinical phase of the program first may be given credit for Biology 265. The degree normally requires two years at Elon in addition to the 24-month A.M.A. approved program.

## RECREATION

*Chair, Department of Health, Physical Education and Recreation:*

*Professor Brown*

*Professor: A. White*

*Assistant Professors: Beedle, Calhoun, Drummond*

*Instructor: Ray*

Community Recreation is one of the emphasis options for the Physical Education major. Please refer to the Physical Education and Health section of this catalog for the requirements.

A minor in Recreation requires Recreation 211, 322, 323, 424, and Physical Education 211 and 481 (3 semester hours).

**116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**  
(Same course as PE 116. See PE 116 for description.)

**211. INTRODUCTION TO COMMUNITY RECREATION** **3 semester hours**  
A study of the nature and history of leisure, play and recreation as they relate to contemporary community recreation services.

**322. RECREATION LEADERSHIP AND PROGRAMMING** **3 semester hours**  
Emphasis on the leadership and group dynamics processes as they pertain to the professional recreation setting; principles and approaches to recreational programming. Spring semester only.

**323. RECREATION SERVICES FOR SPECIAL POPULATIONS** **3 semester hours**  
The study of the historical and societal factors affecting the present status, care, treatment and recreation of the mentally and physically handicapped in the United States. Fall semester only.

**324. LEISURE AND AGING** **3 semester hours**  
Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (REC 324 is the same as HUS 324.)

**325. COMMERCIAL LEISURE MANAGEMENT** **3 semester hours**  
An in-depth study of the history, development and current status of the commercial leisure and tourism industry in the U.S. Survey of the development and operation of commercial goods and services offered in the leisure market.

**424. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION** **3 semester hours**  
Designed to provide a thorough study of the background, organization and principles of the public recreation administration process. Fall semester only.

**425. OUTDOOR RECREATION SERVICES** **3 semester hours**  
A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized. Spring semester only.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

**481. INTERNSHIP IN RECREATION** **1-6 semester hours**  
This course is designed to give practical experience in community recreation, YMCA or commercial leisure establishments.

## RELIGION

*Chair, Department of Religion:* Associate Professor Chase

*Professors:* Pace, W. Rich

*Assistant Professors:* McBride, Wilson, Pugh

*Part-time Instructor:* Montgomery

A major in Religion requires Religion 111, 112, 121, 141, and 24 semester hours of additional Religion courses. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

### **111. INTRODUCTION TO THE OLD TESTAMENT** **3 semester hours**

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

### **112. INTRODUCTION TO THE NEW TESTAMENT** **3 semester hours**

The rise and development of Christianity and its literature.

### **121. WORLD RELIGIONS** **3 semester hours**

The origin and historical development of selected religious traditions.

### **131. RELIGIOUS THINKING** **3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

### **141. RELIGIOUS VALUES AND DECISION MAKING** **3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

### **251. RELIGION STUDIES ABROAD** **3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

### **321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST** **3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

### **322. OLD TESTAMENT PROPHETS** **3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

### **324. THE INTERTESTAMENTAL PERIOD** **3 semester hours**

The historical situation and environment from which early Christianity emerged; developments in Hellenism and Judaism; the period of the Maccabees; religious ideas and institutions of the pre-Christian era. Prerequisite: Junior or senior status, or permission of instructor.

### **326. THE WRITINGS OF PAUL** **3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

### **327. THE GOSPEL OF JOHN** **3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

**328. THE SYNOPTIC GOSPELS****3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

**334. MODERN RELIGIOUS THINKERS****3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

**341. CHRISTIAN ETHICS****3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

**345. THEOLOGY OF HUMAN LIBERATION****3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## SCIENCE EDUCATION

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

### Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, 112, (or higher), Geography 121, Chemistry 103 and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221, 321, 322, 411

**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

### Secondary Science Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103, and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221, 321, 322, 411



**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Systems 111.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

## SOCIAL SCIENCE

*Chair, Department of Social Sciences:* Associate Professor T. Henricks

*Professors:* Delp, Moncure, G. Troxler, Crowe

*Associate Professors:* Long, Toney, C. Troxler, Taylor, Zarzar, Brumbaugh

*Assistant Professors:* Basirico, Cates, Arcaro, Midgette, Kraig

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

### 312. RESEARCH METHODS

3 semester hours

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

## SOCIOLOGY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks

*Assistant Professors:* Basirico, Arcaro

*Part-time Assistant Professor:* Brooks

A major in Sociology requires Sociology 111, 311, 351, plus 18 semester hours of additional Sociology courses; Computer Information Systems 111; Mathematics 265; Social Science 312; and 6 semester hours selected from History 343, Human Services 231, Philosophy 113 and 342, and Psychology 211.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses and/or Philosophy 342.

### 111. INTRODUCTORY SOCIOLOGY

3 semester hours

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

**112. ANTHROPOLOGY****3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

**211. SOCIAL PROBLEMS****3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

**231. SOCIAL PSYCHOLOGY****3 semester hours**

An examination of the ways in which individuals are influenced by their relationships with others in society. The course considers the difference between humans and animals, the origins and development of the self-concept, the formation of attitudes and factors causing them to change affiliation, aggression, altruism, and group dynamics. Prerequisite: SOC 111. (SOC 231 is the same as PSY 231.)

**311. THE FAMILY****3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

**313. CRIME AND DELINQUENCY****3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

**321. CULTURAL ANTHROPOLOGY****3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

**333. SOCIAL STRATIFICATION****3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

**341. ETHNIC AND RACE RELATIONS****3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

**343. SOCIAL AND CULTURAL CHANGE****3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

**344. SOCIAL DEVIANCE****3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

**351. SOCIOLOGICAL THEORY****3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP IN SOCIOLOGY****1-3 semester hours**

Limited to 3 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

**491. INDEPENDENT STUDY****1-3 semester hours****TELEVISION**

The Television program is listed under Communications.

# Directory and Appendices

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Warren L. Board, Ph.D., *Assistant Secretary*  
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J.E. Rawls, Jr., M.D., *Suffolk, Va.*  
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### Terms Expiring May 31, 1989

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David E. Pardue, Jr., *Burlington, N.C.*  
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Ralph H. Scott, LL.D., *Burlington, N.C.*  
C. Max Ward, *Burlington, N.C.*

### Terms Expiring May 31, 1990

Noel Lee Allen, *Raleigh, N.C.*  
Barbara Day Bass, *Richmond, Va.*  
Thad Eure, LL.D., *Raleigh, N.C.*  
Walter L. Floyd, *Durham, N.C.*  
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J. Hinton Rountree, *Ft. Pierce, Fla.*



# **Terms Expiring May 31, 1991**

Roger Gant, Jr., *Burlington, N.C.*  
 G. Thomas Holmes, Jr., *Pinehurst, N.C.*  
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 Thomas E. Powell, III, M.D., *Burlington, N.C.*  
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# **Ex-Officio**

James Fred Young, Ed.D., *President of the College*  
 Rollin O. Russell, D.Min., *Conference Minister, Southern Conference*  
 Yvonne Beasley, *President of the Southern Conference*  
 Mills E. Godwin, Jr., *Trustee Emeritus*  
 J. Harold Smith, *Trustee Emeritus*

# **Faculty, 1986-1987**

Jerome R. Adams, 1984\*, *Assistant Professor of English*  
 A.B., Ph.D., *University of North Carolina*  
 Jimmie D. Agnew, 1985, *Assistant Professor of Science Education*  
 B.A., *George Washington University*; M.S.S.T., Ph.D., *The American University*  
 Mark R. Albertson, 1980, *Assistant Professor; Registrar*  
 B.B.A., *Fort Lauderdale University*  
 J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
 B.S., M.A., *Appalachian State University*; M.S., *New Mexico State University*  
 Ralph V. Anderson, 1963, *Part-time Professor of Economics*  
 B.S., *Ferris Institute*; M.S., *University of Tennessee*; B.D., *Northern Baptist Theological Seminary*; Ph.D., *University of North Carolina*  
 Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science; Assistant to the President*  
 B.A., *St. Andrews Presbyterian College*; M.A., Ph.D. candidate, *American University*  
 Andrew J. Angyal, 1976, *Associate Professor of English*  
 B.A., *Queens College, CUNY*; M.A., *Yale University*; Ph.D., *Duke University*  
 Thomas E. Arcaro, 1985, *Assistant Professor of Sociology*  
 B.A., *Ohio State University*; M.S., Ph.D., *Purdue University*  
 Malvin N. Artley, 1963, *Part-time Professor of Music*  
 B.Mus., *Shenandoah Conservatory of Music*; M.Mus., *Cincinnati Conservatory*; D.F.A., *Chicago Musical College, Roosevelt University*  
 Robert A. Bailey, 1984, *Assistant Professor of Physical Education and Health; Assistant Football Coach*  
 B.S., M.A.Ed., *East Carolina University*  
 Martin H. Baker, 1980, *Assistant Professor of Physical Education and Health; Athletic Trainer*  
 B.S., *SUNY at Brockport*; M.S., *Indiana State University*

\* Year of appointment

- Steven J. Ballard, 1977, *Assistant Professor of Physical Education and Health; Soccer Coach*  
B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Assistant Professor of Sociology*  
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Lynne G. Baunach, 1986, *Instructor in Chemistry*; B.A., Goucher College; M.S., Fairleigh Dickinson University; Ph.D. candidate, University of North Carolina at Chapel Hill.
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
A.B., Elon College; J.D., Duke University
- Barry B. Beedle, 1978, *Assistant Professor of Physical Education and Health*  
B.S., M.S., Mississippi State University; Ed. D., University of Mississippi
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
A.B., Elon College; M.A., University of North Carolina
- Thomas M. Beveridge, 1985, *Assistant Professor of Economics*  
B.A., M.A., M.Ed., University of Dundee, Scotland; Doctoral Studies, University of North Carolina
- Elaine H. Bingenheimer, 1983, *Part-time Instructor in Music; Director, Preparatory Music Program*  
B.Mus., University of North Carolina; M.Mus., Southern Methodist University
- Robert G. Blake, 1968, *William S. Long Professor of English*  
A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Professor of English; Director of Honors Program*  
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- Warren L. Board, 1986, *Professor of Social Science, Vice President for Academic and Student Affairs*  
B.A., University of Idaho; M.A., University of Denver; Ph.D., Syracuse University
- David L. Bodle, 1985, *Instructor in Physical Education and Health; Assistant Football Coach*  
B.S., Penn State University; M.Ed., University of Georgia
- Mark W. Bowers, 1986, *Assistant Professor of Military Science*  
B.A., Furman University; M.A., Brenau College
- Barry A. Bradberry, 1975, *Assistant Professor; Associate Dean of Admissions and Financial Planning*  
A.A., Chowan College; A.B., Elon College; M.Ed., University of North Carolina at Greensboro
- David A. Bragg, 1970, *Associate Professor of Music; Chair, Department of Fine Arts*  
B.S., Concord College; M.M.E., Ph.D., Florida State University
- Paul E. Bravender, 1985, *Associate Professor of Fine Arts*  
B.S., Western Michigan University; M.M., Roosevelt University; Ph.D., Michigan State University

- Herman Brock, 1984, *Assistant Professor of Accounting*  
B.S., M.S., Roosevelt University; C.P.A.
- Wesley G. Brogan, 1979, *Professor of Education and Human Services; Chair, Department of Education and Psychology; Director, M.Ed. Program*  
A.B., Dickinson College; M.Div., Duke University; M.Ed., Ph.D., University of North Carolina
- Jeanne R. Brooks, 1985, *Part-time Instructor in Sociology*  
A.B., Duke University; M.S.L.S., M.A., University of North Carolina at Greensboro
- Janie P. Brown, 1967, *Professor of Physical Education and Health; Chair, Department of Health, Physical Education and Recreation*  
B.S., Wake Forest University; M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- Chalmers S. Brumbaugh, 1986, *Associate Professor of Political Science*  
B.A., Wooster College; M.A., Ph.D., University of Wisconsin
- Pamela P. Brumbaugh, 1986, *Assistant Professor; Director of Experiential Education*  
B.S., Wooster College; M.S., University of Wisconsin
- Robert J. Burton, Jr., 1986, *Assistant Professor of Physical Education; Men's Basketball Coach;*  
B.A., Emory and Henry College; M.S., Virginia Tech
- Ann S. Butler, 1979, *Part-time Instructor in English*  
A.B., M.Ed., University of North Carolina at Greensboro
- Michael L. Calhoun, 1985, *Assistant Professor of Physical Education and Health*  
B.S., Hardin-Simmons University; M.S., Ed.D., Brigham Young University
- Karen R. Carden, 1979, *Instructor in Physical Education; Director of Intramural Athletics;*  
A.B., Elon College; M.Ed., University of North Carolina at Greensboro, C.P.M.
- Lonnie Mack Carden, 1977, *Assistant Professor of Physical Education and Health; Head Football Coach*  
A.B., Elon College; M.A., Appalachian State University
- Fleta H. Carmen, 1983, *Part-time Instructor in Office Administration*  
B.S., Appalachian State University; M.S.B.E., University of North Carolina at Greensboro
- J. Albert Carpenter, 1983, *Assistant Professor of Computing Information Science and Mathematics*  
A.A., Montgomery College; B.S., University of Maryland; M.S., Graduate Studies, University of Tennessee
- Anne C. Cassebaum, 1985, *Instructor in English*  
B.A., Cornell University; M.A., Columbia University

- D. Brooks Cates, 1964, *Assistant Professor of Geography*  
A.B., University of North Carolina; M.A., East Carolina University; Ph. D., University of North Carolina
- Carole F. Chase, 1976, *Associate Professor of Religion; Chair, Department of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
- Susan R. Coad, 1986, *Part-time Instructor in Music*  
B.M., M.M., Eastman School of Music
- Allin F. Cottrell, 1985, *Assistant Professor of Economics*  
First Degree, Oxford University; Ph.D., University of Edinburgh
- David M. Crowe, Jr., 1977, *Professor of History*  
B.A., Southeastern Louisiana College; M.A., Mississippi State University; Ph.D., The University of Georgia
- Edwin L. Daniel, 1963, *Associate Professor of Art*  
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 B.S., M.A., Appalachian State University; Graduate Studies, Virginia Polytechnic Institute and State University, University of Virginia
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 B.S., Wake Forest University; M.A.T., Duke University; M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
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 B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany; Prix de Virtuosite, Schola Cantorum, Paris
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- Shirley Sanders, 1985, *Part-time Assistant Professor of Mathematics*  
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B.S.B.A., M.S.B.A., University of Richmond; Ph.D., Ohio State University; LL.D., University of Richmond
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 Donna Fitchett, B.A., *Admissions Counselor*  
 Clay Hassard, B.S., *Athletic Recruiter*  
 Marsha Boone, *Word Processing Supervisor*  
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 Yvette Slade, *Assistant Supervisor of Word Processing*  
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 Gwynne Warren, *Applications Clerk*  
 Annette L. Orbert, *Administrative Assistant of Financial Planning*

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 Jane T. Fowler, *Assistant to the Registrar for Statistical Analysis*  
 Phyllis Creech, *Secretary to the Registrar*  
 Cheryl Whitesell, *Registration-Graduation Clerk*  
 Susan G. Phillips, *Data Entry Operator*  
 Lisa C. Kimbro, A.S., *Records Clerk*

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 Raymond P. Covington, A.B., *Assistant Director of Planned Giving*  
 J. Earl Daniele, A.B., M.A., Ph.D., Sc.D., LL.D., *Director of Planned Giving*  
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 William G. Long, A.B., M.A., M.Div., *Director of Alumni and Parent Relations*  
 Timothy H. McDowell, A.A.S., B.A.S., *Director of Development for Alamance County*  
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 Cindy Sykes, A.B., *Gift Records Coordinator*  
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 Mary Elizabeth McCauley, *Secretary for Public Information and Planned Giving*

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 Susie B. Sanford, A.B., *Accountant*

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 Jane M. Carrico, B.S., *Accountant*  
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 Cindy G. Baise, *Accounts Payable Data Entry Clerk*  
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 Lisa Hall, *Campus Shop Manager*  
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 Lonnie Mack Carden, A.B., M.A., *Head Football Coach*  
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 Robert Guy Humphries, B.S., M.Ed., *Assistant Football Coach*  
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 Daniel Feinberg, B.B.S., M.A., Ph.D., *Professor of Business Administration*  
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 S. Carlyse Isley, A.B., *Special Assistant to the President*  
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 Frances C. Longest, A.B., M.Ed., *Associate Professor of Business Education*

- June M. Looney, A.B., M.A., *Assistant Professor of Psychology*  
 Eleanor W. Moffett, A.B., M.Ed., Ph.D., *Professor of English*  
 C. Fletcher Moore, A.B., M.A., D.Litt., *Professor of Piano and Organ*  
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 James H. Overton, A.B., B.D., Ph.D., *Professor of Religion*  
 T. E. Perkins, B.S., M.Div., M.Ed., M.S. in L.S., *Librarian*  
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 Jeanne F. Williams, B.S., M.S., *Associate Professor of Statistics and Mathematics*

## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Biomedical Reference Laboratory Program.* Established to support the Medical Technology Program.

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Morning Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

*Dofflemeyer Fund.* Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemeyer by their children.

*Elon College Community Orchestra Endowment Fund.* Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

*George Joseph Fertig Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson-Pilot Professorship.* This fund was established by the Jefferson-Pilot Corporation, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

*Literature, Languages and Communications Endowment.* Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

*The Martha and Spencer Love School of Business Fund.* Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

*Iris Holt McEwen Community Service Award.* Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary, III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York.

*Maude Sharpe Powell Professorship.* Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

*The Thomas Edward Powell, Jr. Professorship of Biology.* Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Ferris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*George Shackley Award.* Established by Mr. Shackley by bequest, for most improved piano student; organ student

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

*Drusilla Dofflemeyer Voorhees Fund.* Created in honor of Drusilla Dofflemeyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.



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# ELON COLLEGE

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Office of Admissions and Financial Planning  
Elon College, North Carolina 27244-2010

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# ELON



ACADEMIC CATALOG  
1988 1989



# ELON COLLEGE

## 1988-89

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Elon

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Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs.

# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

**President**

General Information

**Vice President for Academic and Student Affairs**

Academic and student affairs policy

Long-range plans

**Dean of Academic Affairs**

Academic program

Academic work of students in college

Faculty position

Special programs

**Dean of Admissions and Financial Planning**

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loan funds, and work jobs

**Dean of Student Affairs**

Housing

Student Affairs

**Vice President for Administrative Services**

Payment of student accounts

Inquiries concerning expenses

**Vice President for Development**

Public relations

Contributions, gifts or bequests

Estate planning

**Director of Placement**

Career options for students

Employment of seniors and alumni

**Registrar**

Requests for transcripts

Evaluation of transfer credits

Student educational records

**Director of Alumni and Parent Relations**

Alumni affairs

Parent relations



# Calendar

## Fall Semester 1988

August 28 (Sunday)	Orientation
August 29 (Monday)	Orientation; Evening School Registration
August 30 (Tuesday)	Registration
August 31 (Wednesday)	Drop-Add Day; Evening Classes Begin
September 1 (Thursday)	Day Classes Begin
September 6 (Tuesday)	Last Day for Late Registration
October 20 (Thursday)	Last Day for Dropping Course with "WP"
October 21 (Friday)	Fall Break Begins at 1:15 p.m.; Mid-Semester Reports Due
	Fall Break Ends at 8:00 a.m.
October 26 (Wednesday)	Last Day to Remove Incomplete ("I")
November 7 (Monday)	Grades
November 9 (Wednesday)	Preregistration Begins for Winter Term and Spring Semester 1989
November 23 (Wednesday)	Thanksgiving Holiday Begins at 1:15 p.m.
November 28 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 7 (Wednesday)	Classes End
December 8-13 (Thurs-Tues)	Examinations

## Winter Term 1989

January 3 (Tuesday)	Registration
January 4 (Wednesday)	Classes Begin
January 5 (Thursday)	Last Day for Late Registration
January 25 (Wednesday)	Examinations

## Spring Semester 1989

January 31 (Tuesday)	Registration
February 1 (Wednesday)	Drop-Add Day; Evening Classes Begin
February 2 (Thursday)	Day Classes Begin
February 7 (Tuesday)	Last Day for Late Registration
March 16 (Thursday)	Last Day for Dropping Classes with "WP"
March 17 (Friday)	Mid-Semester Reports Due
March 17 (Friday)	Spring Vacation Begins at 1:15 p.m.
March 27 (Monday)	Spring Vacation Ends at 8:00 a.m.
April 6 (Thursday)	Last Day to Remove Incomplete ("I")
	Grades
April 10 (Monday)	Preregistration Begins for Summer School and Fall Semester 1989
May 10 (Wednesday)	Classes End
May 11-16 (Thurs-Tues)	Examinations
May 20 (Saturday)	Commencement; Last Day of School

## Summer School 1989

First Term: June 5-July 7 (July 4 Holiday)  
 Second Term: July 11-August 11



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# Introduction to Elon

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 3,000 undergraduate and 200 graduate students come from 29 states and 13 foreign countries. Slightly more than half of the students are men, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, career internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

## Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

A full schedule of evening classes provides maximum flexibility for students. Additionally, a wide variety of workshops, seminars and non-credit courses is offered throughout the year.

## History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. The faculty increased to more than 160, teaching 31 major fields offering four baccalaureate degrees. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its



commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

### **The Mission of Elon College**

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college careers.
5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.
6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.
7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.
8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.
9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.
10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

## Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees. The College is a member of the following associations:

The American Council of Education  
The Association of American Colleges  
The American Association of University Women  
The North Carolina Association of Colleges and Universities  
The North Carolina Association of Independent Colleges and Universities  
Independent College Fund of North Carolina  
The Council for Higher Education of the United Church of Christ  
National Commission on Accrediting

## Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including four new dormitories completed in 1982 and 1984, a new fountain, plaza area and extensive landscaping. A new fine arts center is the most recent addition, 1987. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve new residence halls have been constructed since 1956. Completed in 1970 were a new office-classroom building and a new physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 1,700.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

*Bakatsias Soccer Field*, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

*John W. Barney Hall* houses 54 students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building* was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses classrooms, faculty offices, publication facilities, and the Academic Computer Center.

*Carolina Hall*, erected in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 students. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*The R. N. Ellington Health Center* provides health services for students and includes multiple examination rooms and offices for the professional staff.

*The Fine Arts Center*, was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

*Fraternities and Sororities* are housed in several off-campus residences owned by the College and in residence halls suites.

*Holland House* is the residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons.

*A.L. Hook Hall*, housing 40 students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator B.



Everett Jordan and completed in 1970, contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*LaRose Resources Center* was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audiovisual and computer equipment, as well as cable and satellite TV services.

*Lawrence House*, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

*The Lodge* was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 160,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

*The Spence Collection*, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.

*Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor



of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Hall*, located near the Harper Center, houses men students.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*The Jimmy Powell Tennis Center*, a 12-court, championship tennis complex, was built in 1988 and is one of the finest small-college tennis complexes in the nation.

*Power Plant* provides heat for the entire College.

*Rudd Field*, a multipurpose athletic field named for Clyde Rudd Sr., class of '37, is used for football, softball and intramural activities.

*Sloan Hall*, a three-story brick structure housing 129 students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall*, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. *Staley Hall* houses 200 students and *Moffitt Hall* 100 students. The two residence halls are joined by *Harper Center*, which contains a lounge, the College radio station, a recreation area, *The Back Door* (a non-alcoholic pub), and *Harden Dining Hall*. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 129 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the *Carlton Building*. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Eighty-one students are housed on the second and third floors.

*Whitley Memorial Auditorium* has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

*Names associated with Elon College buildings, rooms, and other facilities are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.*

### **Visitor Information**

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

### **Travel Information**

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. It is also served by Carolina Trailways and Greyhound, which afford bus service to all parts of the country. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.

# ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

## Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Applied Science, and Bachelor of Applied Arts.

*The Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The principal objective of the M.B.A. program is to produce excellent general managers. *The Master of Education* program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

*The Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Computer Science, Economics, Education (Elementary—Early Childhood, Intermediate, Middle Grades; Secondary—several subject areas), English, Foreign Languages, History, Human Services, Journalism, Communications, Mathematics, Music, General Music, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

*The Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance or Marketing), Computer Information Systems, Medical Technology, Music Education, Physical Education and Health Education (Teacher Certification, Community Recreation, or Commercial Leisure and Sports Management).

*The Bachelor of Applied Arts* and *Bachelor of Applied Science* degrees offer graduates of two-year technical or vocational programs from accredited community colleges or technical institutes direct transfer of up to 65 semester hours of work. Elon College offers a special program leading to the Bachelor of Applied Science degree in Radiologic Technology.

## Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, Education, Special Education, English, French, German, Geography, Gerontology, History, American History, European History, Human Services, Journalism, Communications, Mathematics,

Music, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Recreation, Religion, Sociology, Spanish, Sports Medicine, and Women's Studies.

### **General Studies**

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct and graceful English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

### **The Martha and Spencer Love School of Business**

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing and finance), and a graduate degree in business administration (M.B.A.).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Courses of Instruction.

### **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.



## **Experiential Education**

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. An active cooperative education and internship program provides opportunities throughout the academic year and during summers for students to test career objectives, to integrate theory with practice and to examine future job possibilities.

Internships may be developed through the academic departments. Positions are directly related to majors, may be full or part time, and are usually supervised by Elon faculty. Departments which require internships of their majors include Education and Human Services. Internships are frequent in the fields of Community Recreation, History, Public Administration and Communications.

Cooperative Education at Elon is designed to meet student needs. Some positions involve alternating terms of work and study beginning in the second half of the sophomore year and continuing through graduation. Other co-op positions involve several terms in a part-time job. Students are placed in positions which offer pay and opportunities for increasing responsibility. For more information, students should contact the Director of Experiential Education.

## **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Communications, Human Services, Public Administration, Computer Science, Computer Information Systems and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

## **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

## **Pre-engineering**

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing our program are given preferential consideration for transfer to any of these engineering schools.

### **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

### **Preministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.

### **Special Academic Programs**

Elon College offers various programs for those people with special needs and qualifications.

#### **Honors Program**

The Honors program assists academically superior students who want to attain greater breadth and depth in the General Education part of their studies. Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student. Honors students are provided with special courses taught by innovative faculty. Class size is limited to twenty. Since the program is college-wide in scope, most Honors courses will be taken in disciplines rather than one's major. Recent changes give increased emphasis to discovering one's values, to developing critical thinking skills, to enhancing communication abilities, to pursuing current issues and to understanding the interrelatedness of the varied academic disciplines.

Besides the curriculum described below, other features of the program include early pre-registration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers and artists. Honors graduates often pursue further study or graduate training.

To receive Honors Program recognition at graduation a student must complete a minimum of six Honors experiences as listed below.

### **The Freshman Year**

The following two experiences are required:

Honors I — Appreciative Understanding: Claiming One's Heritage

This experience will focus on clarifying one's values and understanding them in light of alternatives.

Honors II — Critical Assessment: Acting in the Institutional World

This experience will focus on critically appraising values which are expressed in persuasive action.

### **The Middle Years**

A student must take a minimum of two experiences out of Category I. Also, an elective is required out of Category I, II, or III. It is highly desirable for the elective to come from category II.

- I. A. Contemporary issues courses — Focus will be on how resources from different areas can effect social change.  
B. Interdisciplinary courses — Methodology will emphasize interconnections between different fields or disciplines of study.
- II. Alternative experiences.  
A. An academic experience in a different country fall or spring semester.  
B. An academic experience involving work in the form of service to others.  
C. An academic experience where one assumes leadership. This may be accomplished through an internship or an apprenticeship which has a mentoring dimension.
- III. Honors elective courses.

### **The Senior Year**

A research experience is required which culminates in the presentation of a semester paper or project.

Highly qualified non-freshmen who are admitted to the Honors program must accumulate six experiences out of middle and senior year courses.

### **Academic Development Program**

Assists students in understanding the basic concepts of reading, mathematics and communication skills.

Gives small group instruction.

Offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

## **Direct Transfer**

### *Community College or Junior College*

Offers graduates of a college parallel program from an accredited junior college or community college full credit with a direct transfer of up to 65 semester hours of work toward a *Bachelor of Arts* or *Bachelor of Science* degree.

### *Community College or Technical Institute*

Offers graduates of a technical or vocational program from an accredited community college or technical institute full credit with direct transfer of up to 65 semester hours of work toward a *Bachelor of Applied Arts* or *Bachelor of Applied Science* degree.

## **Elon 101**

Elon 101 is a specially designed course/program that introduces first semester students to college life. The course is taught by the student's academic advisor and is limited in size to fifteen. The course meets weekly during the first semester and grants 1 semester hour of general college credit.

## **High School Credit Bank Programs**

Makes it possible for the student to have sophomore standing at the time of college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

## **Military**

### **ROTC**

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

### *Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Accepts credit for USAFI courses taken while in service.

Transfers work completed at other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

### *Bootstrap and Project Ahead*

Offers degree programs to military personnel on educational leave.

Opens door for persons who have not entered or completed college.

Grants credit for USAFI, CLEP, previous college work, and/or service experience according to ACE guidelines.

Offers built-in financial assistance.



## North Carolina Teaching Fellows Program

Elon College is one of the only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only thirteen institutions throughout the state. The Teaching Fellows experience takes place in the context of Elon's highly successful teacher education program. Students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process. The Teaching Fellows experience at Elon is a four-year program including:

1. Specially designed leadership courses
2. Internships
3. Study/travel to major U.S. metropolitan areas
4. A semester of study in London
5. Special field trip, lecture series
6. Capstone seminar examining local, state and national issues and their effect on education
7. Development of LifeSkills Transcript

## Study Abroad

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements can be met. Through independent studies, internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Long fall and spring breaks permit extensive European travel.

During the Winter Term the college offers study-travel opportunities to England and Spain. The England program allows students to spend approximately a month in London with numerous excursions to historical and cultural sites in England. The Spain program begins in Madrid and visits Toledo, Seville, Cordoba and Granada as it exposes students to the uniqueness of Spanish life and culture. Both programs offer a wide range of courses for which credit is earned.

Summer terms provide still other study abroad possibilities. The College offers language study in Spain through the University of Salamanca and a study-tour through Russia, Mongolia, and China. Summer programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school.

## Academic Support Services

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.





### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as pre-law, pre-med and pre-engineering.

Closely associated with the Academic Advising Center is the Career Development service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

### **Placement Services**

Elon College has a professional placement office that helps graduates find meaningful employment. Beginning during their junior year students are helped with resume preparation and interviewing skills. On-campus and off-campus interviews are arranged with prospective employers.

### **LaRose Resources Center**

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include tutorial assistance for most academic areas, a writing center, computer-assisted instruction, academic computer terminals, a microcomputer lab, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

### **Library**

The McEwen Library contains a well-rounded collection of more than 160,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

### **Computer Facilities**

The LaRose Resources Center offers a variety of hardware capabilities and software support. The center is staffed with faculty, staff and student assistants to assist students with use of the computer. Formal courses and special seminars in the computing sciences and computer usage are also available. Every student and faculty member of Elon College is authorized to use the computers. In addition to the LaRose Resources Center, terminals for student use are located in Alamance Building, Mooney Building, Powell Building, Duke Building, Whitley Building and Carlton Building.

# Student Life

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, campus organizations, Greek organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

## Student Personnel Service

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each campus area there is an Area Coordinator. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and meeting problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

*Career Development and Placement.* The Director of Career Development assists students in their choice of profession. Through testing programs the student is encouraged to explore fully all possible job opportunities. Emphasis is placed upon "life planning" so that career choice fits personal interest, ability, talent and job availability.

The Director of Placement assists seniors and alumni in finding employment after graduation. Visiting representatives from industry, business, education, and government interview candidates on campus. With written permission from student or graduate, credentials are made available to prospective employers on a confidential basis. No charge is made for this service with the exception of a fee connected with sending official College transcripts.



*Health Service.* The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physician. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and residence halls locked no later than 12 noon on the day following the last night of exams. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Student Activities.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, travel groups, special theme parties, concerts, intramurals, and other social activities.

### **Student Government**

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

### **Judicial System**

This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen. It is intended to be both one of justice and of education for students.

### **Religious Life**

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

### **Cultural Life**

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in a new Fine Arts Center, 1987, by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

### **Honor Societies**

*Alpha Chi.* Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.

*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community.

*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

## Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

*Departmental* - American Chemical Society, American Marketing Association, Business Students Communications Committee, Mathematics and Computer Science Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Human Services Club, Alpha Kappa Psi (Business).

*Greek* - There are 15 social fraternities and sororities at Elon. Fraternities include Alpha Kappa Lambda, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Chi, Sigma Pi, and Pi Kappa Phi; Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, Alpha Omicron Pi, and Alpha Kappa Alpha.

*Music and Fine Arts* - Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, Drama Club, College-Community Orchestra, Elon College Gospel Choir.

*Religious* - Baptist Student Union (B.S.U.), Fellowship of Christian Athletes, Intersarsity Christian Fellowship, Newman Society.

*Service* - Civinettes, Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega and Circle K International.

*Sports* - Comprehensive intramural program, Lacrosse Club, Outing Society, and Ski Club.

*Others* - Commuter Student Organization, class organizations, Black Cultural Society, College Republicans, GENTS, Young Democrats, International Students Association, Resources for Non-traditional Elon Women (ReNew), Intellectual Competition Society, Students for Peace and Justice, Student Government Association, Student Union Board, and Pershing Rifles..

## Communications Media

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

## Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

## Athletics

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

*Intercollegiate.* A member of the Carolinas Intercollegiate Athletic Conference, the South Atlantic Conference, the National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women, Elon has teams which compete with other colleges in football, basketball, wrestling, baseball, tennis, golf, track, soccer, women's volleyball, cross country, women's basketball, women's softball, women's soccer, women's tennis, and lacrosse.



## Traditional Events

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

*Spring Fling.* A weekend of activities which includes student competitions, concerts, and other programs.

# Admissions, Finances, and Financial Aid

## Admissions Procedures

Elon College operates on the Rolling Admissions Plan — completed applications are acted upon and candidates notified within four weeks. Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations. While a personal interview is not necessary, it is helpful both to the prospective student and to the College.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$15 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English 4 units

One Foreign Language 2 units

Math 2 units

(Algebra I & II or Algebra I & Geometry

Algebra I & II preferred)

History 1 unit

Science 1 unit

## Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

## Special Students

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.

2. *Persons 21 years of age or older who are not high school graduates or candidates for a degree but wish to take class work.* Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.

3. *College graduates who are interested in further study at the College.* Such applicants are admitted if they fulfill the requirements for admission to the desired courses.

4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.

## **Advanced Placement and Credit**

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### **Advanced Placement Examination**

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: Art, Biology, Chemistry, Computer Science, English, French, German, History, Mathematics, Music, Physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

### **College-Level Examination Program (CLEP)**

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics, and Business. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$100.00.

## **Transfer Program Information**

### **Direct Transfer Program in Applied Arts and Applied Sciences**

Students receiving an Associate of Applied Arts or Applied Science Degree in a vocational or technical area from an accredited technical institute or

community college may transfer all work up to and including 65 semester hours (or equivalent) for application toward a BAS (Bachelor of Applied Science) or a BAA (Bachelor of Applied Arts) degree. Students who have received 65 semester hours of credit from two-year institutions cannot transfer additional credit from any two-year institution. Note that the BAA in Early Childhood Specialist will NOT meet teacher certification requirements in North Carolina.

Requirements for BAA or BAS Degree:

1. A student must transfer his major (Applied Arts or Science degree).
2. General Studies requirements must be completed at Elon College.
3. Enough additional elective hours must be earned at Elon to equal the 126 required for graduation.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 21 hours of credit at the junior-senior level to qualify for graduation.

### **Direct Transfer Program in Liberal Arts**

Graduates of accredited community colleges or junior colleges who hold an Associate of Arts or an Associate of Science Degree may continue their education at Elon College and receive full credit for their study at the junior college level, with direct transfer of up to 65 semester hours of work. Students who have received 65 semester hours of credit from any two-year institution cannot transfer additional credit from any two-year institution.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements must be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.

### **Transfer of Partial Credit (No Associate Degree)**

Credit is given for college-level courses from any accredited institution insofar as they parallel courses at Elon. However, no credit is allowed for a course with a grade report below that of "C," except in direct transfer or authorization from the Dean of Academic Affairs.

### **Credit for Veterans**

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. USAFI courses taken while in the service may be accepted for credit.
3. Work from other accredited post-secondary institutions may be accepted.



4. Service experience may be accepted for physical education and health requirements.

### **Acceptance and Room Reservation Fees**

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. After May 1, \$50 is refundable until August 1. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

### **General Costs**

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean of students are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

*Book Expenses.* The estimated cost of textbooks is \$300 for the academic year, of which \$150 is needed for purchases from the campus bookstore at the opening of fall semester.

*Costs Covered by Tuition.* Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, health service, post office box, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

Expenses for the 1988-89 Academic Year

Full-Time Enrollment/Day Students\* (12-18 hours)

	Fall Semester	Winter Term**	Spring Semester
Tuition . . . . .	\$2,700	\$100/hr	\$2,700
Room . . . . .	650	180	650
Board*** (Winter Term billed with Fall Semester)			
7 day plan . . . . .	915	180	735
5 day plan (not available to freshmen) . . . . .	815	160	655
Student Government . . . .	30		30
Overload (more than 18 semester hours) . . . . .	100/hour		100/hour
Caution/Damage Deposit (refundable, applies to residence hall students only) . . . . .	50		
Student Medical Insurance	36	36	36

\*Students enrolled for only 10 or 11 hours in fall or spring will be charged for the full semester's tuition.

\*\*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term. (Tuition, Room & Student Medical Insurance)

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

Part-Time Enrollment/Day Students

Tuition for day or evening course (no more than 9 hours per semester) . . . . . \$100/hour

Evening School

Undergraduate Programs

Tuition . . . . . \$100/hour

In order to be eligible for this special rate for more than 9 hours in fall or spring students must (1) have earned a high school diploma or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions.

Graduate Programs

M.B.A. Tuition . . . . . \$135/hour  
M.Ed. Tuition . . . . . 100/hour

**Summer School 1989**

Tuition per semester hour.....	\$100
College enrollment fee including SGA of \$1.....	10
Room (\$160) and Board (\$310) per summer term .....	470
Auditing per course.....	75
Special fee for applied music lessons	
One semester hour credit or audit.....	150
Two semester hours credit or audit.....	300
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	
Student Medical Insurance (one or both terms).....	22

**Special/Optional Fees (No Refunds)**

Applied music lessons:	
Each one semester hour credit or audit for non-music majors...	\$100
Each one semester hour credit or audit for music majors taking second or additional lessons.....	100
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	
Auditing per course.....	75

**Graduation Fees**

Bachelor's Degree.....	\$33
Master's Degree.....	35

**Miscellaneous**

Late registration/Re-enrollment during term.....	\$25
Late Payment.....	25
Drop/Add course after classes begin.....	10
Transcripts.....	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing).....	50
Examination for course credit.....	100
Automobile registration	
Resident students.....	20
Commuter students.....	15
Replace I.D. Card.....	10
Replace Meal ticket.....	10
Returned check fine.....	20

A student's or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

**Refunds****Academic Year — Fall and Spring Semester**

Tuition, fees and room charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered

as a full week for all pro rata charges.

If enrollment is dropped during:

1st week pro rata charge 20%

2nd week pro rata charge 40%

3rd week pro rata charge 60%

4th week pro rata charge 80%

5th week - No refund

Upon withdrawal, Meal Ticket refunds are pro rated.

### **Notice of Withdrawal**

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

### **Winter Term and Summer School**

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

### **Payment Plans**

Payment plans through outside agencies and directly through the College are made available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

### **Financial Aid**

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of College, state, or federal aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds (except Pell Grant—see Pell Grant information below) is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid "package" for an individual student may consist of a combination of (I) need-based aid (grants, loans, work) as well as (II) non-need aid and (III) payment options. Each type of aid available at Elon is described below.



**I. Need-Based Aid:** awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

**A. Types of Need-Based Aid**

**1. Grants:** money which does not have to be repaid.

**a. Federal Grants**

1) *Pell Grant:* Applicants receive a Student Aid Report (SAR) which they submit to the Financial Planning Office. Grant eligibility is determined on the basis of the SAR and students' course load (must enroll for a minimum of 6 hours per semester).

2) *Supplemental Educational Opportunity Program (SEOG):* awarded by the College from federal funds to students demonstrating high need.

**b. State Grants**

1) *North Carolina Contractual Scholarship Fund:* state funds awarded by the College to North Carolina students who qualify on the basis of need.

2) *North Carolina Student Incentive Grant:* state funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

**c. Institutional Grants:** students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

**2. Loans:** long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

**a. Perkins National Direct Student Loans (Perkins NDSL):** awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

**b. Guaranteed Student Loan/Federal Insured Student Loan (GSL/FISL):** funds from private lenders (banks, credit unions), who receive a federal guarantee against borrower default. Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures, below). It is generally necessary for applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8%.

**3. College Work-Study Program (CWSP):** federal funds awarded by the College to eligible applicants, who then work on-campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 20% of students' wages.

**B. Application Procedures for Need-Based Aid**

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Submit a signed copy of student's/parents' tax return for the prior year to the Financial Planning Office.
3. Complete the Elon Aid Application.
4. Respond to any requests for additional documentation.

*Note:* priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by May 1 prior to the academic year for which aid is requested.

**II. Non-Need Aid:** funds awarded to students on the basis of special characteristics, merit, or achievement.

**A. Grants/Scholarships:** money which does not have to be repaid.

1. North Carolina Legislative Tuition Grant: grant to all full-time undergraduate students who are legal residents of this state. In 1986-87, the grant was \$1000 (\$500 per semester). A brief application must be completed at Registration.
2. Private Scholarships: funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.
3. Military: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.
4. North Carolina Programs: the state offers a number of scholarship and loan programs for students enrolled in specific educational programs (Education, Health) or who have interest or involvement in 4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.
5. Institutional Awards
  - a. Academic Scholarships: applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.
  - b. Performance Awards: funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.

**B. Non-Need Loans:** long-term loans available to assist in financing educational expenses, based upon credit-worthiness rather than "need."

1. **Parent Loans for Undergraduate Students (PLUS):** parents may borrow up to \$4000 per academic year through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and repayment begins immediately. Applications are available from the lender.
  2. **Supplemental Loans for Students (SLS):** independent students and graduate students may borrow up to \$4000 per academic year through a private lender. Interest rate is variable. Repayment of principle may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender.
  3. **Alliance Loans (through the Teri Program):** loans through private lenders for \$3000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.
  4. **Private Loans:** funds through the student's/parents' own resources: financial institutions, employer, or family.
- C. Employment:** on and off campus.
1. **Institutional Work-Study Program (IWSP):** available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Financial Planning Office.
  2. **Off-Campus Employment:** opportunities for work in the near-by community are available through the Placement Office.

### **III. Payment Options**

1. **VISA/Mastercard:** Elon College accepts these charge cards for payment of tuition and fees.
2. **Ten-Month Payment Plan:** charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from May 15 through February 15.

### **Freshman Academic Awards Program**

A freshman who has been accepted to Elon College may be nominated by his or her high school or principal or by the Academic Scholarship Committee of Elon College for an academic scholarship. These scholarships are renewable provided that the student maintains a semester and cumulative grade point average of 3.0 or better, successfully completes a minimum of 30 semester hours each academic year, and participates in the Honors Program. The freshman awards program consists of the four following categories of scholarships:

#### *Trustee Scholars*

These scholarships range from \$3,000-\$4,000 and are awarded to the top academic students participating in the freshman awards program.

#### *Presidential Scholars*

These scholarships range from \$1,500-\$3,000, and a limited number are reserved for Alamance County residents.

#### *Elon Scholars*

These \$500-\$1,500 scholarships, established by the trustees of Elon College, are awarded each year to students with outstanding promise.

### **Elon College Endowed Scholarships**

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

*Aetna Life and Casualty Scholarships.* Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

*Alamance-Caswell Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Edward M. Albright Scholarship.* Established by his wife, the late Olivia White Albright.

*Simeon Lee Allen Scholarship.* Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.

*Band Scholarships.* Awarded on a limited basis to students who are talented musicians and participate in band activities.

*John W. Barney Memorial Scholarship.* Established by colleagues, former students, and friends.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

*R. H. Barringer Distributing Co., Inc. Tennis Scholarship.* Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.



*Robert C. Baxter Scholarship.* For worthy students.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish-speaking people.

*Jennie Willis Atkinson Bradford Scholarship.* For a worthy student in the Department of Fine Arts.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Richie E. and Agnes R. Brittle Scholarship.* Created by Hunterdale United Church of Christ, Franklin, Virginia.

*Trudie Kimrey Bueschel Christian Education Scholarship.* Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags Scholarship.* Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

*William E. "Buster" and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R., Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Two awards annually—one to a deserving student who is a member of the basketball team and one to a student who is working his/her way through college as a member of the college's sports information office.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Pauline Nina Taylor Cammack Memorial Scholarship.* Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Dr. George L. Carrington Scholarship.* Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

*Z. Vance and Philip Vance Cates Scholarship.* Given by Gordon Pannill Hurley, Jr. and James Franklin Hurley, IV, in memory of their grandfather, Z. Vance Cates, and their uncle, Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship.* Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, Class of 1924.

*Carl and Betty Coley Scholarship.* For worthy students.

*Comer Golf Fund.* Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*Billy Crocker Jazz Scholarship.* To a member of the Emanons selected by a vote of members and directors of the Emanons.

*Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*T. B. Dawson Scholarship.* Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Dewey Hobson Dofflemyer Scholarship.* Established by his wife, Annie Onley Dofflemyer.

*William H. and Kathryn M. Duncan Scholarship.* For deserving students who are legally blind or who have impaired vision.

*Eastern North Carolina Ministers Memorial Scholarship.* Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Clyde Lee Fields Memorial Scholarship.* For deserving students.

*First Christian Church, Portsmouth, Virginia, Memorial Scholarship.* Established in 1965 by the Women's Fellowship and others of the First Christian Church.

*Mary Ruth and Archibale F. Fleming, Jr. Scholarship.* For tuition and fees of one or more students.

*A.J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*H. Terry and Nonnie B. Floyd Scholarship.* Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

*Lacy R. Fogleman Scholarship of St. Mark's Reformed Church.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing pre-ministerial or Christian Education studies.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

*Charles A. Frueauff Foundation Scholarship.* For academically talented students.

*John L. Frye Scholarship.* For deserving students, with preference given to football participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Glen Raven Mills Educational Award.* For worthy students, preferably Glen Raven Mills employees or members of employees' families.

*Mills E. and Katherine B. Godwin Scholarship.* For worthy students in need of assistance and from the Hampton Roads area of Virginia.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon College Home for Children.

*E.E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students. Special consideration should be given to students who plan to take a course in physical science.

*Huck Finn-Tom Sawyer Tennis Scholarship.* For deserving men and women who are members of the Elon College Tennis teams.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

*Edward F. Iseley Athletic Scholarship.* Awarded to deserving Alamance County student athletes.

*Archie and Adelaide Israel Scholarship.* For deserving students.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

*Mr. and Mrs. Burney Jennings Scholarship.* Established by the Jennings to benefit a student attending Elon.

*Jephson Educational Trust Scholarships.* Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

*Virginia Somers Jones Scholarship.* For deserving students.

*John M. Jordan Scholarship.* For a deserving student from Alamance County, preferably with a foster home background.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Lecy Martin Kernodle Scholarship.* This bequest provides aid for Alamance County students majoring in education.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For a student from Alamance County with an outstanding academic record.

*Lee County Scholarship.* For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.



*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*Mills and Mary Alice Luter Scholarship.* For a deserving student preferably from the Elon Home for Children.

*Zebulon and Alma Lynch Scholarship.* Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students preferably from Lynnhaven Colony Church.

*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

*Winona Morris Madren Scholarship.* For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

*William L. and Beulah McNeill Maness Scholarship.* Established by the Rev. Mr. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

*William Raymond Massey Scholarship.* Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

*Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes in basketball, football and baseball.

*John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*McCrary Scholarship.* Established by Iris and John McCrary for academically talented students who have financial need.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Vivian Wrenn Pell Scholarship.* Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

*Wayne H. and Mable B. Perrine Memorial Scholarship.* For worthy students who have special talent in the performing arts.

*Donald W. and Shirley M. Perry Scholarship.* For deserving students from Alamance County.

*L. J. "Hap" Perry Athletic Scholarship.* Established by his sons, for a student from Reidsville Senior High who participates in a sport at Elon.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

*Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon.

*O.D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*The Rev. Lacy M. Presnell, Sr. Memorial Scholarship.* Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.

*Presser Scholarship.* Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

*Emmett H. and Katherine H. Rawles Scholarship.* For academically talented students.

*Japheth E., Jr., and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond, Va., area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.

*Viola V. and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings for needy students.

*Arthur H. and Trudy B. Rogers Scholarship.* Established by the Rogers to assist a deserving student, preferably from Alamance or Stanley Counties.

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*St. Mark's Reformed Church Scholarship.* For deserving students, with first preference to students from St. Mark's Reformed Church.

*Sanders-Myers Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

*Renold O. Schilke Trumpet Scholarship.* Awarded to selected band students who are interested in playing the trumpet.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*Zondal Myers Sechrest Scholarship.* For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford counties.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia, preferably for one or more students from the Tidewater, Virginia, area pursuing full-time Christian vocations.

*Bertha Paschall Shipp Scholarship.* Established by Bertha Shipp by bequest for deserving students as determined by the college scholarship committee.

*John L. Sills, Jr. Scholarship.* Funded by Riverview Narrow Fabrics, this fund is awarded each year to a rising junior accounting major and may be renewed the senior year.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. For worthy students.

*Oscar F. Smith Scholarship.* Established by bequest from Oscar Frommel Smith, trustee. For scholarship assistance to students preferably from Eastern Virginia.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Inc., Scholarship.* To provide scholarship aid to a deserving student.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

*Sigmund Sternberger Scholarships.* Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

*Alda June Stevens Memorial Scholarship.* For worthy students, preferably those preparing for full-time Christian service.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Suffolk Christian Church Scholarship.* Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Virginia area.



*Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships.* Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, New Jersey.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

*William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*Lillian Pearl Tuck Endowment.* Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

*Wallace Lincoln Tuck Scholarship.* For needy students.

*Arline Lindsay Tweed Scholarship.* Established by Mrs. Arline Lindsay Tweed to aid qualified students.

*Union United Church of Christ Scholarship.* For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

*Velie Memorial Music Scholarship.* Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

*Thyra Wright Vestal Scholarship.* Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

*Robert Ronald Wagner Memorial Scholarship.* Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

*Wake Chapel Christian Church Scholarship.* For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

*Catherine N. Walker Scholarship.* Established in honor of Mrs. Walker by her son, Zac. T. Walker, III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students, for scholarships in football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

*Clyde. T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

*William I. Ward, Sr., and David Samuel Ward Scholarship.* Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

*Watterson-Troxler History Scholarship.* Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

*Colonel Henry E. White Scholarship.* For deserving students.



*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White, for an outstanding student, preferably from Vance County, North Carolina.

*Nellie Glenn White Scholarship.* For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.

*S. S. "Red" Wilson Scholarship.* For basketball and football athletes who maintain a "B" average.

*Youth's Friends Scholarships.* Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

## Loan Funds

*Amick Fund.* Dr. T.C. Amick, formerly of the College Faculty, created a fund to be loaned to deserving students at six percent interest.

*Stein H. and Pearl M. Basnight Loan.* A bequest from the estate of Stein H. Basnight. For United Church of Christ students preparing to enter the ministry. Loaned at a rate of six percent interest. If the student enters the Christian ministry, the interest is forgiven.

*James E. and Mary Z. Bryan Foundation Student Loan.* Established by Mary Z. Bryan as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh, North Carolina. Students may borrow up to \$1000 per academic year. Four percent interest accrues while student is in school and increases to six percent after student ceases to be enrolled as a full-time student.

*Burlington Elks Scholarship Loan Fund.* Lodge #1433. For students who are residents of Alamance County.

*Dr. J.A. Clarke Fund.* The money is loaned at six percent interest.

*Maggie B. Dixon Loan Fund.* To assist members of the junior and senior classes.

*Knights Templar Educational Loan Fund.* Under the rules of the Grand Commandery, students at Elon may obtain loans from this fund.

*McLeod Fund.* Loaned to worthy students on proper security.

*Helen Martin Parkerson Loan Fund.* Established by Mrs. Helen Cannon as a memorial to her mother. Loaned to deserving students in Office Administration.

*Verlie I. Smith Student Loan Fund.* For qualified students from North Carolina.

*T.M. Stanback Fund.* Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



# ACADEMIC REGULATIONS

## Undergraduate Degree Requirements

### Degrees and Major Fields

#### Bachelor of Arts (A.B.)

Biology  
Chemistry  
Communications  
Computer Science  
Economics  
Education  
    Elementary (K-4 and 4-6)  
    Middle Grades (6-9)  
    Secondary  
English  
Foreign Languages  
General Music  
History

Human Services  
Journalism  
Mathematics  
Music  
Philosophy  
Physics  
Political Science  
Psychology  
Public Administration  
Religion  
Science Education  
Social Science  
Sociology

#### Bachelor of Science (B.S.)

Accounting  
Business Administration  
    (Management, Finance and  
    Marketing)  
Computer Information Systems  
Health Education  
Medical Technology

Music Education  
Physical Education  
    (Teacher Certification,  
    Community Recreation,  
    Commercial Leisure and  
    Sports Management)

#### Bachelor of Applied Science (B.A.S.) and Bachelor of Applied Arts (B.A.A.)

Radiologic Technology

Cooperative transfer programs offered to graduates of community colleges and technical colleges.

For Graduate programs see page 58-62 and/or the Graduate Catalog.

### Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.

2. Completion of General Studies as follows:

a. Foundational Studies.....	9
(1) English 111, 112 (Freshman English Composition).....	6
(2) Mathematics 111 (or higher).....	3
b. Liberal Studies.....	31
(1) Expression.....	6
Eloquent and creative expression in literature and fine arts. Six hours chosen from art, English, fine arts, music, at least three hours of which must be English.	
(2) Science (Analysis).....	7
Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.	
(3) Reflection.....	6
Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.	
(4) Civilization.....	6
Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.	
(5) Society.....	6
Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.	
c. Advanced Studies.....	12
In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.	
d. Physical Education 160.....	2

3. Electives

4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

5. Twice as many quality points as credit hours attempted must be earned.

6. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies.



Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

## General Academic Regulations

### Registration and Courses

#### Classification

Classifications are made at the beginning of the college year in September.

Freshman	1-26 semester hours completed
Sophomore	27-59 semester hours completed
Junior	60-92 semester hours completed
Senior	93 and above semester hours completed

#### Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semester	18 semester hours
Winter Term	4 semester hours
Summer Term	7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

#### Course Registration

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his advisor consider it essential a student should not change his schedule after registration.

#### Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$75 for each course.

#### Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$100.00.

### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Academic Dean's Office.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade point average is less than 3.00 may not register for overload hours in any term. See previous page on course load.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the major, minor and general studies requirements on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and general studies requirements in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only

once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department publishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the College.

## **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

## **Grades and Reports**

### **Grading System and Quality Points**

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<b>Grade</b>	<b>Quality Points</b>
A Superior	4
B Above average	3
C Average	2
D Below average	1
F Failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory	0
WD Medical Withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No Report	0

The minimum passing grade is "D." A grade of "F" indicates failure.



Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### **Grade Point Average**

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

### **Grade Reports**

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

### **Dean's List**

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.33 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

### **Graduation With Honors**

Candidates for graduation with an average of 3.87 or more quality points for each credit hour are graduated *summa cum laude*; those with 3.67 or above, *magna cum laude*; and those with 3.33 or above, *cum laude*. The average for honors is computed on all work attempted in college whether at Elon or another institution.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of 21 semester hours of Honors courses and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

## **Student Access to Educational Records**

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

## **Transcripts of Student Records**

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

## **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. He will give such permission for work only in a fully accredited institution. Credit is allowed only for college level courses which also are allowed toward graduation by the institution conducting the summer school. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

## **Academic Standards and Withdrawal**

### **Academic Standing**

Academic standing is determined by the earned grade point average for both any one semester of attendance and cumulative work. A student whose cumulative grade point average falls below 2.00 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

**Warning—** Students are notified that their GPA is below 2.00 and that they are expected to show significant improvement in their next semester or term.

*Probation*— Students are notified that their GPA is below 2.00, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress suspension will result.

*Suspension*— Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.00 and maintain a cumulative grade point average as follows:

Freshman	1-26 sem. hrs.	1.60
Sophomore	27-59 sem. hrs.	1.60
Junior	60-92 sem. hrs.	1.80
Senior	93 sem. hrs.	2.00

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

### **Dismissal**

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

### **Leave of Absence and Withdrawal**

If a student for any reason concludes that he must leave the College on a temporary or long term basis, he must confer with the Dean of Student Affairs and the Dean of Academic Affairs to formalize his plans. If he wishes to be absent for as long as two semesters, he may request a leave of absence under which he may automatically return to the College at a time mutually acceptable. Faculty will be requested to report student progress in class at the time a leave is granted by indicating either a WP or WF grade. The official record of the student cannot be cleared until action—either leave or withdrawal—is complete.

# Graduate Degree Requirements

## Degrees and Major Fields

- Master of Business Administration (M.B.A.)
- Master of Education (M.Ed. in Elementary Grades and Middle Grades)

### MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Elon College offers an important opportunity for individuals to earn a Master of Business Administration (M.B.A.) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

#### Admissions Policy

The M.B.A. admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

#### Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within last 5 years.
4. Completed application.

#### M.B.A. Degree Requirements

1. Completion of courses specified under Program of Study.
2. An overall minimum grade point average of 3.00.
3. All courses must be completed within six calendar years.
4. Participation in commencement exercises.
5. Final six semester hours to be taken at Elon College.

#### Program of Study

Basic Studies in accounting, economics, quantitative analysis, or computer science may be necessary for some applicants. In such cases, the Director of the M.B.A. program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than five Basic Studies courses be specified.

The **Core Curriculum** consists of the following seven 500-level courses. The Core Curriculum is required of all MBA students.

Econ	511	Advanced Statistical Analysis	3 semester hours
BA	512	Quantitative Decision Methods	3 semester hours
Econ	513	Managerial Economics	3 semester hours
Acct	514	Managerial Accounting	3 semester hours
BA	515	Financial Management	3 semester hours
BA	516	Marketing Management	3 semester hours
BA	517	Business Policy	3 semester hours



Electives comprise the remainder of a student's Program of Study. Five must be selected from the following list of 500-level courses.

BA 521	Organizational Behavior	3 semester hours
BA 522	Organizational Development and Theory	3 semester hours
BA 523	Business Communications	3 semester hours
BA 524	Operations Management	3 semester hours
BA 525	Management Information Systems	3 semester hours
BA 526	Business and Society	3 semester hours
BA 527	Legal Environment of Business	3 semester hours
BA 528	International Business	3 semester hours
BA 571	Special Topics	3 semester hours
BA 591	Independent Study	3 semester hours

**Program Guidelines.** The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Basic Studies courses and ECON 511, BA 512, ECON 513, ACC 514, and BA 515 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.
3. The Business Policy course (BA 517) should culminate the program.

**Course Load.** Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time may not register for more than two courses at a time. At least two courses will be scheduled during the summer months. There will be no M.B.A. courses scheduled during the college's three-week Winter Term.

Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

**Course Schedules.** During the fall and spring semesters, 500-level classes will be scheduled during evening periods as follows:

Period One 5:30-7:20 p.m. Mon. through Thurs.

Period Two 7:30-9:20 p.m. Mon. through Thurs.

Any given course will meet twice a week, either Period One or Period Two, on a Monday-Wednesday or Tuesday-Thursday cycle. Basic Studies courses also meet twice weekly, Monday-Wednesday or Tuesday-Thursday, but the time periods are shorter.

For an application and more information about the M.B.A. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.

## MASTER OF EDUCATION (M.Ed.)

Elon College offers an important opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings (fall and spring) and in the daytime during summer school.

## **Admissions Policy**

The M.Ed. admissions policy is designed to select students who have demonstrated both academic and teaching ability. Each application is considered in the light of all completed academic work, test scores from the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

### **Basic Requirements**

1. A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a comparable accrediting association.
2. A 2.5 gpa overall for undergraduate work, or 3.0 gpa for the last 60 s.h. or 3.0 gpa in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate. (Candidates must have met undergraduate requirements for North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A satisfactory score on the general portion of the Graduate Record Examination or on the Miller Analogies Test taken within five years prior to application.
6. Three written references.
7. A written statement of educational and professional goals.

### **M.Ed. Degree Requirements**

1. Completion of courses specified under program study.
2. Overall grade point average of 3.0 or higher.
3. Completion of coursework within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Participation in commencement exercises.
6. Final six semester hours to be taken at Elon College.

### **Programs of Study for Elementary Grades and Middle Grades**

All students are required to take the courses in the core curriculum. In addition to the core curriculum, students in the area of Elementary Education complete Education 521, 530, and select four courses from Education 520, 522, 540, 550, 571 or 591. In addition to the core curriculum, students in the Middle Grades program are required to complete Education 525, 526, and four courses from the following subject areas in which the student has a concentration(s) for Middle Grades Certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571; Education (Communication Skills) 530, 540, 551, 571; or HPER 511, 512, 516, 517, 571.

**Core Curriculum—Elementary and Middle Grades**

Education	511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	516	Educational Research and Evaluation Methods	3 sem. hrs.
Psychology	515	Adv. Psychological Theory in the Classroom	3 sem. hrs.

**Additional Requirements****Elementary Education—Early Childhood (K-4) & Intermediate (4-6)**

Education	521	Survey of Elementary Curriculum: Development and Content	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.

**Electives: Select four courses**

Education	520	Investigation and Trends in the Teach- ing of Elementary School Science	3 sem. hrs.
Education	522	Communication Skills in the Elementary School	3 sem. hrs.
Education	540	Literature for Children and Youth: Analysis and Application	3 sem. hrs.
Education	550	Meeting Special Learning Needs of Children	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.

**Additional Requirements****Middle Grades Education (6-9)**

Education	525	Effective Middle Grades Teaching	3 sem. hrs.
Education	526	Preadolescent Development: Implications for Education	3 sem. hrs.

**Select four courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:**

Mathematics	521	Mathematical Concepts for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	522	Geometry for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Middle Grades Classroom	3 sem. hrs.
Mathematics	571	Seminar: Special Topics	3 sem. hrs.
Science	560	Advanced Physical Science for Elementary & Middle Grades Teachers	3 sem. hrs.

Science	561	Advanced Earth-Space Science for Elementary & Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elementary & Middle Grades Teachers	3 sem. hrs.
Science	571	Seminar: Special Topics	3 sem. hrs.
Social Studies	531	Advanced Studies in American Government	3 sem. hrs.
Social Studies	541	Special Topics in Economics	3 sem. hrs.
Social Studies	546	North Carolina in the Nation	3 sem. hrs.
Social Studies	571	Seminar: Special Topics	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.
Education	540	Literature for Children and Youth; Analysis and Application	3 sem. hrs.
Education	551	Enhancing Oral and Written Communication	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
HPER	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPER	512	Analysis of Teacher Behavior	3 sem. hrs.
HPER	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.
HPER	517	Research in Physical Education and Athletics	3 sem. hrs.
HPER	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.

**Course Load.** Students may enroll in from one to four courses during the fall and spring semesters. Students who are employed full-time may not register for more than two courses at a time. Courses also will be scheduled during the summer months.

**Course Schedules.** During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday 5:30-8:30 p.m.

Tuesday 5:30-8:30 p.m.

Summer School terms will be planned to accommodate working schedules of the public school teachers.

For an application and more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.







# Courses of Instruction

## Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, English, Fine Arts, Journalism, Languages, Communications, Music, Philosophy, Religion, Women's Studies
Division of Sciences and Mathematics	Biology, Chemistry, Computing Sciences, Mathematics, Physics, Medical Technology and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health.	Education, Health Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

## ACCOUNTING / The Martha and Spencer Love School of Business

*Dean of Love School of Business: Associate Professor Tiemann*

*Associate Professors: Oliver, Brooks*

*Assistant Professors: Cox, Gibney, Caldwell*

To major in Accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; and 3 semester hours of Computer Science or Information Systems.

In addition to the admission requirements of the Love School of Business, a major in Accounting requires Accounting 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 321, 322, 323, 343, and 412; and Economics 347.

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other Accounting courses.



**211. FINANCIAL ACCOUNTING PRINCIPLES****3 semester hours**

An introduction to double-entry accounting with emphasis upon conceptual framework; the structure of the accounting profession; and the recording, analysis, and external reporting of financial data. Income measurement and financial position of proprietorships, partnerships, and corporations are discussed.

**212. MANAGERIAL ACCOUNTING PRINCIPLES****3 semester hours**

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Prerequisite: ACC 211.

**331. INTERMEDIATE ACCOUNTING I****3 semester hours**

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisites: Admission to Love School of Business.

**332. INTERMEDIATE ACCOUNTING II****3 semester hours**

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331

**336. COST ACCOUNTING****3 semester hours**

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C—V—P analysis. Prerequisites: Admission to Love School of Business.

**337. CORPORATE TOPICS IN ACCOUNTING****3 semester hours**

Complex issues in financial accounting with emphasis upon corporate capital structure. Also included are pension plan accounting; capital leases; accounting for income taxes; and statement of change in financial position. Prerequisite: ACC 332

**441. BASIC TAXATION****3 semester hours**

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: Admission to Love School of Business.

**442. ADVANCED TAXATION****3 semester hours**

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 441.

**451. ADVANCED ACCOUNTING I****3 semester hours**

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332.

**452. ADVANCED ACCOUNTING II****3 semester hours**

Specialized accounting problems. Partnerships, corporate liquidations, estates and trusts, and accounting for foreign operations are emphasized. Prerequisite: ACC 451.

**456. AUDITING****3 semester hours**

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisites: ACC 332.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of reading problems, reports, discussions of current topics, and CPA review. Participation by students, departmental faculty, and other resource persons.

**481. INTERNSHIP IN ACCOUNTING****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**



# ART

*Chair, Department of Fine Arts: Professor Myers*

*Part-time Instructors: J. Henricks, Kinard*

A minor in Studio Art requires Art 111, 113, 221, 223, 491 (3 semester hours); plus 6 semester hours selected from Art 103, 104, 211, 213, 214, 311, 312, 491.

## **103. CERAMICS I**

**3 semester hours**

Techniques in working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

## **104. CERAMICS III**

**3 semester hours**

A continuation of Art 103, which is a prerequisite. Materials fee: \$15.00.

## **111. DESIGN**

**3 semester hours**

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

## **112. 3-D DESIGN**

**3 semester hours**

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

## **113. DRAWING**

**3 semester hours**

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

## **211. PAINTING: OILS, ACRYLIC I**

**3 semester hours**

Experimental studies in the techniques of painting and composition using various media. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

## **212. PAINTING: OIL, ACRYLIC II**

**3 semester hours**

A continuation of Art 211, which is a prerequisite. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

## **213. PAINTING: WATERCOLOR I**

**3 semester hours**

Experimental studies in the various techniques of painting with watercolor. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

## **214. PAINTING: WATERCOLOR II**

**3 semester hours**

A continuation of Art 213, which is a prerequisite. Materials fee: \$10.00.

## **221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES**

**3 semester hours**

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 221 is the same as FA 221.)

## **223. HISTORY OF ART: RENAISSANCE TO THE PRESENT**

**3 semester hours**

Historical survey of the major visual arts from the Renaissance to the present. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 223 is the same as FA 223.)

## **261. ART EDUCATION FOR ELEMENTARY GRADES**

**3 semester hours**

Methods and materials, principles, and fundamentals of art used in the elementary grades. 2 hours of lecture and 1 studio hour. Materials fee: \$10.00

## **311. GRAPHICS I**

**3 semester hours**

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 111. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00

**312. GRAPHICS II**

**3 semester hours**

A continuation of Art 311, which is a prerequisite. Materials fee: \$15.00

**481. INTERNSHIP IN ART**

**1-3 semester hours**

**491. STUDIO PROBLEMS**

**1-3 semester hours**

Individual study and experimentation. Open to students at all levels, with the permission of the Art faculty only. Maximum credit allowed toward a degree is 6 semester hours.

## BIOLOGY

*Chair, Department of Biology and Allied Health: Professor H. House*

*Professor: Rao*

*Associate Professors: N. Harris, Fields*

*Assistant Professor: Sissom*

*Instructor: Gallucci*

A major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and at least 6 additional semester hours in Biology above the 100 level; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114 and 321, 322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

**111. BASIC CONCEPTS IN BIOLOGY**

**3 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**113. LAB FOR BASIC CONCEPTS IN BIOLOGY**

**1 semester hour**

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**161. HUMAN ANATOMY**

**4 semester hours**

A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive, and urinary aspects. 3 class hours, 1 laboratory per week.

**162. HUMAN PHYSIOLOGY**

**4 semester hours**

A study of human physiology with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestion and urinary aspects. 3 class hours, 1 laboratory per week.

**181. BIOLOGY LAB TECHNIQUES**

**1 semester hour**

A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.

**221. GENERAL ZOOLOGY**

**4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**222. GENERAL BOTANY**

**4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**301. ENVIRONMENTAL CONSERVATION****3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab course.

**311. COMPARATIVE VERTEBRATE EMBRYOLOGY****4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

**312. COMPARATIVE VERTEBRATE ANATOMY****4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

**321. MICROBIOLOGY****4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 111, 112.

**322. CELL BIOLOGY****4 semester hours**

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. 3 class hours and 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

**325. HUMAN HISTOLOGY****4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221 or BIO 265. Offered alternate years.

**335. FIELD BIOLOGY****4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY****4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY****4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. 3 class hours, 1 laboratory per week. Prerequisites: BIO 222, CHM 111.

**345. GENETICS****4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

**391. RESEARCH****1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY****3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321, 322 or permission of instructor. Offered alternate Fall Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY****4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

**461, 462. SENIOR SEMINAR I & II****2 semester hours each semester**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to senior biology majors or by permission of the instructor.

**481. INTERNSHIP IN BIOLOGY****1-3 semester hours**

The following courses are offered at Moses Cone Hospital in conjunction with the clinical phase of the Medical Technology program. See Medical Technology for program description.

**482. CLINICAL MICROBIOLOGY****7 semester hours**

Detailed didactic and practical study of bacteria, fungi, viruses, parasites and other organisms which cause human disease. Safety, general and special techniques, antibiotic susceptibility testing, quality control and media preparation are emphasized.

**483. URINALYSIS AND BODY FLUIDS****2 semester hours**

This course provides practical and didactic experience in the routine and special analysis of urines and other body fluids with emphasis on how the results relate to human disease. Normal and abnormal physiology are also emphasized.

**484. IMMUNOHEMATOLOGY****4 semester hours**

The theoretical and practical aspects of blood group serology are discussed in detail with particular attention to the various blood groups and their significance in transfusion, components of the blood, donor selection, compatibility testing, identification of unusual antibodies, transfusion practice and quality control.

**485. CLINICAL CHEMISTRY****7 semester hours**

The study and practice of laboratory methods, equipment and how these are used to assay biochemical components of blood and other body fluids. Detailed study of the instrumentation used in clinical laboratories including principles, troubleshooting, quality control and method evaluation is included.

**486. CLINICAL IMMUNOLOGY****4 semester hours**

This course includes basic immunology, the cellular and molecular basis of immunity and immunodiagnostics, the principles of antigen-antibody interaction in vivo and in vitro plus discussions about hypersensitivity, immune malignancies and immune deficiencies. The correlation of immunodiagnostic test results to disease states is stressed.

**487. HEMATOLOGY AND COAGULATION****6 semester hours**

Lectures and clinical practice in formation, identification and pathology of blood, cells and coagulation factors. In-depth discussions of hematopoiesis, proliferative disorders, hemoglobin metabolism, anemias and hemostasis plus the analytic techniques and correlations to a laboratory data. Phlebotomy and specimen collection are included in this course.

**488. CLINICAL SEMINAR****2 semester hours**

This course includes topics in management, education and clinical medicine conducted by the hospital faculty and staff for students in the Medical Technology curriculum.



## **BUSINESS ADMINISTRATION / The Martha and Spencer Love School of Business**

*Dean of Love School of Business:* Associate Professor Tiemann

*Professor:* Shotzberger

*Associate Professors:* Baxter, Weavil, McClellan, Mitchell

*Assistant Professors:* Howren, O'Mara, Peterson, Brucato

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most 300-400 level Business Administration courses or Economics 321 can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; and 3 semester hours of Computer Science or Information Systems.

In addition to the admission requirements of the Love School of Business, a major in Business Administration requires Business Administration 311, 321, 323, 328, 343, and 423; Economics 321; completion of one of the following emphasis areas: Finance—Business Administration 413, 421; Economics 331; Management—Business Administration 325, 412, 426; Marketing—Business Administration 312, 313, 316; one additional 300-400 level 3 semester hour course in Business Administration, Economics, or Accounting must also be completed.

A minor in Business Administration requires Business Administration 311, 323; Accounting 211, 212; Economics 211, 212.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to pages 58-59 or the Graduate Catalog.

### **302. BUSINESS COMMUNICATIONS**

**3 semester hours**

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

### **311. PRINCIPLES OF MARKETING**

**3 semester hours**

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisites: ECO 212.

### **312. MARKETING RESEARCH**

**3 semester hours**

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisite: Admission to the Love School of Business.

### **313. ADVERTISING**

**3 semester hours**

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: Admission to the Love School of Business.

**316. MARKETING CHANNELS**

**3 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisite: Admission to the Love School of Business.

**321. LEGAL ENVIRONMENT OF BUSINESS**

**3 semester hours**

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors. Prerequisite: Admission to the Love School of Business.

**322. COMMERCIAL LAW**

**3 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only. Prerequisite: BA 321.

**323. PRINCIPLES OF MANAGEMENT**

**3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

**325. PERSONNEL ADMINISTRATION**

**3 semester hours**

A study of the basic personnel practices, objectives, functions, and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**328. ORGANIZATIONAL BEHAVIOR**

**3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

**341. FINANCIAL INTERMEDIARIES**

**3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisite: Admission to the Love School of Business.

**343. MANAGERIAL FINANCE**

**3 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

**351. FUNDAMENTALS OF REAL ESTATE**

**3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212; ECO 211, 212, or permission of instructor.

**353. REAL ESTATE FINANCE**

**3 semester hours**

A survey of the principles, concepts, and techniques of effective real estate investment. Financing and forms of ownership are significant topics. Various tax provisions are emphasized. Prerequisite: BA 351 or permission of instructor.

**355. REAL ESTATE INVESTMENT**

**3 semester hours**

The course stresses the importance of real estate as an investment vehicle which competes for funds in the marketplace. Financing and income tax considerations are introduced and some computer analysis is used in evaluating potential investments. Prerequisite: BA 351 or 353 or permission of instructor.

**412. OPERATIONS RESEARCH****3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisite: Admission to the Love School of Business.

**413. ADVANCED MANAGERIAL FINANCE****3 semester hours**

An indepth study of financial management from the perspective of valutive theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included: Prerequisite: BA 343.

**416. FUNDAMENTALS OF INSURANCE****3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

**421. INVESTMENT PRINCIPLES****3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343

**422. BUSINESS AND SOCIETY****3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**423. BUSINESS POLICY****3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 328, 343, and senior status.

**426. PRODUCTION AND OPERATIONS MANAGEMENT****3 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisite: BA 323.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT****3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA343.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.

**481. INTERNSHIP IN BUSINESS ADMINISTRATION****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****CHEMISTRY**

*Chair, Department of Physical Sciences: Professor F. Harris*

*Professors: Danieleley, E. Grimley*

*Assistant Professors: Agnew, Gooch*

*Instructors: Baunach, J. Grimley*



A major in Chemistry requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computer Information Systems 111.

A minor in Chemistry requires Chemistry 111, 112, 113, 114 and twelve semester hours of Chemistry above the 100 level.

#### **101. BASIC CONCEPTS IN CHEMISTRY**

**4 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Three class hours, two lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

#### **103. BASIC CONCEPTS IN GEOLOGY**

**4 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 2 laboratory hours. No credit toward the Chemistry major or minor.

#### **110. INTRODUCTION TO CHEMISTRY**

**3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

#### **111, 112. GENERAL CHEMISTRY I AND II**

**3 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.

#### **113, 114. LABS FOR GENERAL CHEMISTRY I AND II**

**1 semester hour each semester**

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. To be taken concurrently with 111, 112.

#### **221. QUANTITATIVE ANALYSIS**

**4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

#### **222. INORGANIC CHEMISTRY**

**4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

#### **301. PHYSICAL SCIENCE AND SOCIETY**

**3 semester hours**

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

#### **321, 322. ORGANIC CHEMISTRY I AND II**

**4 semester hours each semester**

Chemistry of the compounds of carbon. Aliphatic, aromatic, alicyclic, and heterocyclic compounds are studied as to importance, methods of preparation, electronic structure, chemical and physical properties, and industrial and medicinal use. Laboratory work consists of preparation, purification, properties, and qualitative identification of typical compounds. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

#### **361. CHEMICAL LITERATURE**

**1 semester hour**

Instruction and practice in the use of the literature of chemistry. Prerequisites: CHM 111, 112, 113, 114.



**391. RESEARCH****1-3 semester hours**

Library and/or laboratory research by the individual students under the supervision of the department faculty. Maximum total credit, 8 semester hours. Prerequisite: permission of the chemistry staff.

**411. PHYSICAL CHEMISTRY****4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**421. INSTRUMENTAL ANALYSIS****4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**425. BIOCHEMISTRY****3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321, 322, or permission of instructor. Offered alternate Fall Terms. (CHM 425 is the same as BIO 425.)

**461. SPECIAL TOPICS****1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.

**471. SEMINAR****1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.

**481. INTERNSHIP IN CHEMISTRY****1-3 semester hours**

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

## COMMERCIAL LEISURE AND SPORTS MANAGEMENT

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## COMMUNICATIONS

*Chair, Department of Literature, Languages and Communications:* Professor Smith

*Professor:* Bland

*Associate Professor:* Rassmussen

*Assistant Professors:* Johnson, Grady, Herold, Gibson

*Instructor:* Kinney

Programs are offered in Journalism and in Communications. A student majoring in Communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

**Journalism:** Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing and layout, and audio and video production. Students will gain additional perspective through 12 hours of required upper-level electives in any one discipline with a major or minor.

**Broadcast Communications:** Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel. Additional perspective is gained through 12 hours of required upper-level electives in any one discipline with a major or minor.

**Corporate Communications:** Students will study the internal and external communications of businesses. These studies will be pertinent to areas of public relations, advertising, and corporate communications. Students will learn to create, write, and produce news releases, public service announcements, brochures, newsletters, and audio/video presentations. Additional perspective is gained through required upper-level courses in Business Administration.

A major in Journalism requires JC 215, 225, 228, 245, 255, 325, 330, 425, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor.

A major in Communications with an emphasis in Broadcast Communications requires 210, 215, 225, 245, 255, 335, 312, 360, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor.

A major in Communications with emphasis in Corporate Communications requires JC 210, 215, 225, 255, 318, 325, and 333, plus 9 semester hours of JC courses at the 300-400 level. Additional requirements are Accounting 211 and 212, Economics 212, and 9 semester hours of 300-400 level courses in Business Administration.

A minor in Journalism or Communications requires four courses chosen from Journalism/Communications 210, 215, 225, 245, 255; plus 9 semester hours in Journalism/Communications courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Communications practical experience.

#### **210. PUBLIC SPEAKING**

**3 semester hours**

The fundamentals of public speaking: principles in nonverbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

#### **215. SURVEY OF COMMUNICATIONS**

**3 semester hours**

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to media as social institutions, economics of the media, and technological developments in media.

#### **225. REPORTING AND NEWSWRITING**

**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

#### **228. PHOTOJOURNALISM**

**3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed.

**245. AUDIO PRODUCTION I****3 semester hours**

An introduction to basic audio production techniques applicable in radio, television, and film. The course includes basic studio operation, producing, writing and performing. An overview of the historical and technical development of radio broadcasting is also included.

**251. COMMUNICATIONS STUDIES ABROAD****3 semester hours****255. VIDEO PRODUCTION I****3 semester hours**

This course is designed to introduce students to the fundamentals of television production. The student should gain an understanding of basic television production equipment, concepts and the roles of production personnel. Both studio and electronic news gathering (ENG) methodology will be explored.

**312. BROADCAST PERFORMANCE****3 semester hours**

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures, and movement. Prerequisites: JC 245 and JC 255.

**318. CORPORATE COMMUNICATIONS****3 semester hours**

An introduction to corporate communications as a necessary part of business management. Attention will be given to internal and external communication as applied in the corporate setting. The course will cover the process and patterns of communication in organization, the techniques of information dissemination, and the application of various media and methods.

**325. NEWS EDITING AND LAYOUT****3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

**326. FEATURE WRITING****3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JMC 225.

**330. BROADCAST JOURNALISM I****3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JC 245.

**333. PUBLIC RELATIONS****3 semester hours**

A combined survey and intermediate level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on the use of effective tools plus the use of media to reach various publics.

**335. WRITING FOR ELECTRONIC MEDIA****3 semester hours**

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations.

**337. THE DOCUMENTARY****3 semester hours**

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

**345. AUDIO PRODUCTION II****3 semester hours**

An advance study of radio production techniques, including editing, music and sound effects, mixes and fades, signal processing and multi-channel production. Coursework includes announcing, commercial, news and documentary production. Prerequisite: JC 245.

**352. CORPORATE VIDEO PRODUCTION****3 semester hours**

This course is a study of how to research, write, rewrite, and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisites: JC 318 and 255.



**355. VIDEO PRODUCTION II****3 semester hours**

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements and commercials for local clients. Prerequisite: JC 255.

**360. HISTORY OF BROADCASTING****3 semester hours**

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

**362. A STUDY OF FILMS****3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**371. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

**381. PRACTICUM IN JOURNALISM****1-3 semester hours**

Work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 225, 330 and permission of the instructor.

**382. PRACTICUM IN BROADCAST COMMUNICATIONS****1-3 semester hours**

Work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 245 or 255 and permission of instructor.

**383. PRACTICUM IN CORPORATE COMMUNICATIONS****1-3 semester hours**

Work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 255, 318, 325 and permission of instructor.

**425. ADVANCED REPORTING AND EDITING****3 semester hours**

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 225 and JC 325.

**426. EDITORIAL WRITING****3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JC 225.

**430. BROADCAST JOURNALISM II****3 semester hours**

An advanced study of electronic news gathering (ENG). Students will analyze current examples of news and public affairs programming. Students will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 225, 255, and 330.

**455. REMOTE VIDEO PRODUCTION****3 semester hours**

This course is for advanced students interested in the area of video production. Students will produce projects from the pre-production stages through post-production that will be shown over local cable T.V. Prerequisite: JC 255 and by permission of instructor.

**460. INTERNATIONAL COMMUNICATIONS****3 semester hours**

An examination of the media system of many countries, stressing the chief problem of communication across cultural, economic, sociological and political barriers.

**462. POLITICS IN MASS MEDIA****3 semester hours**

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.



**465. LAW AND ETHICS OF MASS COMMUNICATION****3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulations of broadcasting content.

**490. RESEARCH METHODS****3 semester hours**

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research. Political polling, marketing research, and the reporting of research will be considered.

**491. INDEPENDENT STUDY****1-3 semester hours****COMPUTING SCIENCES**

*Coordinator of Computing Sciences:* Professor W. Hightower

*Assistant Professors:* Carpenter, Plumblee, V. Hightower, Murphy

**Computer Science Requirements (CS)**

A major in Computer Science requires Computer Science 131, 232, 331, 332, 341, 342, 351 and 9 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least 6 of which must be at the 400 level. Additional courses required are Information Systems 111 (or a high school programming course and Computer Science 361), Mathematics 111 (or competency), Mathematics 112 (or competency) 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 131, 232, 331, 341 and 6 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

**131. PROGRAMMING AND ALGORITHM DEVELOPMENT I****4 semester hours**

An introduction to problem solving methods and algorithm development using a high level programming language (PASCAL). Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Three lectures and one lab session per week. Prerequisites: MTH 111 (or its exemption) and Information Systems 111 (or a suitable high school programming course).

**171. SPECIAL TOPICS****1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisites may be specified for certain software packages.

**232. PROGRAMMING AND ALGORITHM DEVELOPMENT II****3 semester hours**

A continuation of the development of problem solving methods, using PASCAL. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CS 131. Corequisite: MTH 241.

**260. SPSS****2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisites: 3 semester hours of statistics or permission of the instructor.

**315. NUMERICAL ANALYSIS****3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: Computer Science 131, Mathematics 311 and Mathematics 321 or permission of the instructor. (CS 315 is the same as MTH 315).

**321. COMPUTER GRAPHICS****3 semester hours**

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS 232 and MTH 311.

**331. DATA STRUCTURES****3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CS 232.

**332. FILE PROCESSING****3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS 331.

**341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE I****3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Prerequisite: CS 131.

**342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE II****3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CS 341.

**351. DISCRETE STRUCTURES****3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS 131. (CS 351 is the same as MTH 351.)

**361. COMPUTERS AND SOCIETY****3 semester hours**

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisite: English 112 and 3 semester hours of Information Systems or Computer Science courses.

**371. SPECIAL TOPICS****1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 232 or permission of instructor.

**421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE****3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS 331.

**431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS****3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS 332.

**435. ORGANIZATION OF PROGRAMMING LANGUAGES****3 semester hours**

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.

**441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE****3 semester hours**

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.

**451. COMPILER DESIGN AND IMPLEMENTATION****3 semester hours**

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing; semantic processing. Prerequisites: CS 351, 435.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN COMPUTER SCIENCE****1-3 semester hours**

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours****Computer Information Systems Requirements (IS)**

A major in Computer Information Systems requires Information Systems 111, 116, 121, 222, 321, 322, 326, 451, 461 (or 481) and 6 semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses, at least 3 of which must be at the 400 level. Additional courses required are Accounting 211 and 212, Economics 211, 212 and 246, English 313, Mathematics 121 or 165, and one course from Business Administration 312, 343, 412, 426, Economics 321, 347.

A minor in Information Systems requires Information Systems 111, 116, 121, 222 and 6 semester hours of 300-400 level Computer Information Systems (IS) courses.

**111. INTRODUCTION TO COMPUTER INFORMATION SYSTEMS****3 semester hours**

An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flowcharting. The student will study procedures for interactive program execution utilizing the BASIC computer language.

**116. MICROCOMPUTER APPLICATIONS****3 semester hours**

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

**121. COBOL PROGRAMMING I****4 semester hours**

An introduction to the use of computers in business applications utilizing the COBOL programming language. Structured programming techniques will be stressed. A weekly lab will be an integral part of the course. Prerequisite: Information Systems 111.

**171. SPECIAL TOPICS****1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages. Prerequisite: May be specified for certain software packages.

**222. COBOL PROGRAMMING II****3 semester hours**

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: Information Systems 121.

**326. DATA FILES AND DATABASES****3 semester hours**

Fundamentals of data structures, normalization of data modeling and database methods. Application development through fourth generation programming techniques. Prerequisite: IS 222.

**451. INFORMATION CENTER TECHNIQUES****3 semester hours**

Includes an introduction to fourth generation languages. Selection and utilization of appropriate software tools to design, assemble and test information systems. Prerequisites: IS 116, 322 and 326.



**454. DECISION SUPPORT AND EXPERT SYSTEMS****3 semester hours**

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisite: IS 326.

**457. DATA COMMUNICATION AND NETWORKS****3 semester hours**

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communicating equipment. Prerequisite: IS 326.

**461. SENIOR PROJECT****3 semester hours**

Development and implementation of a significant information systems application. Corequisite: IS 451.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN INFORMATION SYSTEMS****1-3 semester hours**

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: IS 326 and permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours**

## COOPERATIVE EDUCATION

*Director of Experiential Education: Assistant Professor Brumbaugh*

The Cooperative Education Program (Co-op) is designed to enable qualified Elon students in selected curricula to combine classroom theory with professional work experience while completing their degrees.

A Co-op student may work either two terms in a full-time job or for a maximum of six terms in a part-time job with an employer selected and/or approved by the College. The student is contacted periodically each term by the co-op faculty coordinator in addition to receiving the employer's supervision.

Credit hours for co-op periods are based on the average number of hours worked per week during the term. Semester credit hours for a part-time or "Parallel" co-op experience vary from one to three, and a full-time experience awards four credits.

Any students who are enrolled in curricula offering the Cooperative Education Program and have completed a minimum of 50 semester hours are eligible to enter provided they meet the following requirements:

1. have Co-op faculty coordinator's recommendation.
2. have a minimum 2.50 GPA in related area.
3. complete the classroom course COE-210 — Introduction to the Work Experience — either prior to or during first work term.
4. have approval from Co-op Director. Interested students are encouraged to contact the Co-op Office for more information.

**110 CHOOSING A MAJOR/CAREER****1 semester hour**

This course is designed to assist students in understanding career development as a cumulative process that involves continuous growth and extends over a lifetime. Special emphasis is placed on the interrelatedness of liberal arts studies/skills and future career paths. Designed for students who are currently moving towards selection of a college major.



**210. INTRODUCTION TO THE WORK EXPERIENCE****1 semester hour**

A study of cooperative work experience education. All phases of the program are reviewed with particular attention devoted to preparing the student for entry into the world of work.

**310. JOB SEARCH SKILLS****1 semester hour**

This course is designed to prepare students for the job search process. Self-assessment skills, identification of career options, and methods of securing employment are emphasized.

**381-386. CO-OP WORK EXPERIENCE****1-4 semester hours**

This series of courses provides the student with either a part-time or full-time work experience. The student learns by applying classroom/lab theory and skills in a job related to the degree major and/or career objectives. Prerequisite: Full admission to the Co-op Program.

**DANCE**

The Dance program is listed under Fine Arts and Physical Education.

**DRAMA**

The Drama program is listed under Fine Arts.

**ECONOMICS**

*Dean of Love School of Business:* Associate Professor Tiemann

*Chair:* Assistant Professor Cottrell

*Associate Professors:* Baxter, Toney

*Assistant Professors:* T. Sullivan, Larson

*Instructors:* Bass, Austin

A major in Economics requires Economics 211, 212, 246, 310, 311, 411, and 15 additional semester hours of Economics electives at the junior-senior level (Social Science 312 may be substituted for 3 elective hours in Economics). Additional course requirements are Mathematics 111 (or competency) and either 121 or 165; Accounting 211; Computer Information Systems 111.

A minor in Economics requires Economics 211, 212, 310, 311, a course in statistics (Economics 246, Mathematics 265 or 341, or Social Science 312), and 6 semester hours of Economics electives at the junior-senior level.

**211. PRINCIPLES OF MACROECONOMICS****3 semester hours**

An introduction to the study of the economy as a whole. Topics may include national income accounts and determination, unemployment, inflation, fiscal and monetary policy and international trade. Prerequisite: MTH 111 or higher. Not sequenced with 212.

**212. PRINCIPLES OF MICROECONOMICS****3 semester hours**

An introduction to the study of the parts of the economy. Consumers, firms, industries and markets will be discussed. Income distribution, labor unions, antitrust laws or other topics may also be discussed. Prerequisite: MTH 111 or higher. Not sequenced with 211.

**246. STATISTICS FOR ECONOMICS AND BUSINESS****3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 165 or 121.

**271. SEMINAR: ECONOMIC ISSUES****3 semester hours****310. INTERMEDIATE MACROECONOMIC THEORY****3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.

**311. INTERMEDIATE MICROECONOMIC THEORY****3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

**312. COMPARATIVE ECONOMIC SYSTEMS****3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

**313. LABOR ECONOMICS****3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

**315. U.S. ECONOMIC HISTORY****3 semester hours**

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions, and government's role in economic change. Prerequisites: Economics 211 and 212.

**317. THE ECONOMICS OF WOMEN****3 semester hours**

Topics covered include: economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

**321. MANAGERIAL ECONOMICS****3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: Admission to Love School of Business.

**331. MONEY AND BANKING****3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 212.

**332. PUBLIC FINANCE****3 semester hours**

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211.

**341. ECONOMIC REGULATION****3 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisite: ECO 311 or 321.

**347. STATISTICAL ANALYSIS****3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246.

**411. DEVELOPMENT OF ECONOMIC THOUGHT****3 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

**412. INTERNATIONAL TRADE AND FINANCE****3 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****481 INTERNSHIP IN ECONOMICS****1-3 semester hours**

A maximum of 3 semester hours are applicable to a major or minor in Economics.

**491. INDEPENDENT STUDY****1-3 semester hours**

## EDUCATION

*Chair: Department of Education and Psychology: Professor Brogan*

*Professors: J. Williams, Simon*

*Associate Professors: Speas, Wooten, Harper, Hemphill*

*Assistant Professors: Maness, Thomson*

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Teacher Education Committee, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina State Board of Education\*, and have a G.P.A. of 2.50 for all general studies completed at time of admission. After admission failure to maintain an overall 2.30 grade point average will result in the student being dismissed from the program. In all cases approval is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: The student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. When circumstances warrant, the Teacher Education Committee may dismiss a student from the teacher education program. Application forms for the teacher education program are available in the office of the chairman of the Teacher Education Committee and must be filed by October 1 or March 1 of the semester immediately prior to the beginning of the student's junior year. Students must be admitted unconditionally to the teacher education program before being permitted to take education courses beyond the 200 level.

Upon completion of quantitative requirements a student must have a 2.30 cumulative grade point average and must have met the minimum score requirements (as established by the North Carolina Department of Public Education)\* on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

All students who are education majors are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

\*Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.



### Requirements for the Elementary Education Major

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111, 112; and two semester hours of Computer Science.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111; and two semester hours of Computer Science.

### Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 321, 331, 332; Economics 211; English 200; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 131; Sociology 111, and two semester hours of Computer Science. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210, English 111, 112, 200, 215, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and two semester hours of Computer Science.

A concentration in *Mathematics* requires Mathematics 111, 112, 165, 261, 262, 265; and two semester hours of Computer Science.

A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and two semester hours of Computer Science.

A concentration in *Science* requires Biology 301; Chemistry 101, 103; Natural Science 162; Physics 101, 102; and one semester hour of Computer Science. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 131.



## Requirements for the Secondary Education Major

Majors in Secondary Education consist of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 281, 312, 322, 415, subject area materials and methods course (chosen from Education 421-427), 481; Psychology 321, 341; two semester hours of Computer Science; and one of the following major areas: Biology, Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

## Requirements for Special Subject Areas in Education

Majors in Special Subject Areas in Education (grades K-12) consist of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education 211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Education 427 or Music 461-462); Psychology 321, 331, 341; two semester hours of Computer Science; and one of the following major areas: Music Education, Health Education, or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.

## Requirements for Minor Fields

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

### 211. INTRODUCTION TO EDUCATION

3 semester hours

A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

### 281. PRACTICUM PRIOR TO STUDENT TEACHING

1-3 semester hours

Designed for sophomores and juniors as a pre-student teaching field experience.

### 311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6

3 semester hours

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

### 312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS

3 semester hours

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

**321. READING IN THE ELEMENTARY SCHOOL****3 semester hours**

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school classroom observation required. Prerequisite: EDU 211.

**322. READING IN THE CONTENT AREAS****(Middle Grades and Secondary Grades)****2 semester hours**

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school classroom observation required. Prerequisite: EDU 211.

**325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION****3 semester hours**

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Prerequisite: EDU 211, 321 or 322.

**411. MATERIALS AND METHODS IN ELEMENTARY GRADES****6 semester hours**

Evaluation and selection of materials and methods used in the organization, planning and teaching of communication skills, social studies, science and mathematics. Prerequisites: EDU 211.

**412. MATERIALS AND METHODS IN MIDDLE GRADES****3 semester hours**

Materials and methods used in teaching social studies and one additional area chosen from communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING****2 semester hours**

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-425; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH****3 semester hours**

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS****3 semester hours**

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211. Fall semester only.

**423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION****3 semester hours**

Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes. Prerequisite: EDU 211. Fall semester only.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE****3 semester hours**

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211. Fall semester only.

**425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES****3 semester hours**

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

**427. MATERIALS AND METHODS OF HEALTH AND SAFETY****3 semester hours**

Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211. Fall semester only.

**441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES****3 semester hours**

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year-old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

**461. SEMINAR IN CLASSROOM ENVIRONMENT****3 semester hours**

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. SUPERVISED OBSERVATION AND STUDENT TEACHING****12 semester hours**

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 211, 311 or 312, and appropriate methods course(s).

**491. INDEPENDENT STUDY****1-3 semester hours****ENGLISH**

*Chair, Department of Literature, Languages and Communications:*

*Professor Smith*

*Professors: Blake, Bland, Gill*

*Associate Professors: J. Berry, Euliss, Angyal*

*Assistant Professors: Lyday-Lee, Mackay, Maness, P. Haworth, Haskell, Herold, Cassebaum, Hood, Gordon, Boyd*

*Instructor: A. Butler, R. House, Gaffigan, Teague*

The major in English requires 39 semester hours selected from the following groups of courses:

- I. Language (310-319, 410-419).....3 semester hours
- II. Historical Studies (320-329, 420-429).....9 semester hours
- III. Contemporary Studies (330-339, 430-439).....6 semester hours
- IV. Major Authors (340-349, 440-449).....3 semester hours
- V. Genres (350-359, 450-459).....3 semester hours
- VI. Electives (200-level or above, at least 3 classes  
at the 300-400 level).....15 semester hours

One course must be a 400-level seminar.



Students majoring in English for teacher certification are required to take English 200, 201, 202, 203 or 204, 215, 311, 312, 313 or 314, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional electives (at the 300-400 level) plus JMC 210.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

Students majoring in English or English with teacher certification under an earlier catalog should contact the Advising Center for course substitutions for previous requirements.

**100. BASIC WRITING SKILLS**

**3 semester hours**

A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

**106. ANALYTICAL READING**

**3 semester hours**

A course designed to improve the student's ability to analyze, comprehend, and retain college level reading material. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

**111. FRESHMAN ENGLISH I**

**3 semester hours**

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

**112. FRESHMAN ENGLISH II**

**3 semester hours**

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

**171. SPECIAL TOPICS**

**3 semester hours**

A study of special topics or types of literature. It is designed for students who have not completed English 112.

**200. INTRODUCTION TO LITERATURE**

**3 semester hours**

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

**201. ENGLISH LITERATURE I**

**3 semester hours**

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**202. ENGLISH LITERATURE II**

**3 semester hours**

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**203. AMERICAN LITERATURE I**

**3 semester hours**

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.



**204. AMERICAN LITERATURE II****3 semester hours**

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**215. FUNDAMENTALS OF GRAMMAR****3 semester hours**

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

**251. ENGLISH STUDIES IN BRITAIN****3 semester hours**

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

**301. CHILDREN'S LITERATURE****3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

**310-319. LANGUAGE (Group I)**

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

**311. THE ENGLISH LANGUAGE****3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG. 111, 112.

**312. INTRODUCTION TO LINGUISTICS****3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

**313. WRITING FOR THE PROFESSIONS****4 semester hours**

A study of the theories and practices of professional writing. This course includes a one hour internship. Prerequisites: ENG 111, 112 and permission of the instructor.

**314. INTRODUCTION TO RHETORIC****3 semester hours**

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

**320-329. HISTORICAL STUDIES (GROUP II)**

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

**321. CLASSICAL LITERATURE****3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

**322. MEDIEVAL LITERATURE****3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

**323. RENAISSANCE LITERATURE**

**3 semester hours**

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

**324. THE ENLIGHTENMENT**

**3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

**325. ROMANTICISM**

**3 semester hours**

A study of great British, Continental and American Romantic literature, examining attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112.

**326. THE LATER NINETEENTH CENTURY**

**3 semester hours**

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

**330-339. CONTEMPORARY STUDIES (GROUP III)**

Studies in the literature of the twentieth century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

**331. STUDIES IN MODERN LITERATURE**

**3 semester hours**

A study of important literary works and movements of the first half of the twentieth century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

**332. LITERATURE OF THE SOUTH**

**3 semester hours**

A study of Southern literature, its background and themes, with attention given to major twentieth century writers. Prerequisites: ENG 111, 112.

**333. FEMINIST APPROACHES TO LITERATURE**

**3 semester hours**

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

**334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE**

**3 semester hours**

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

**335. STUDIES IN CONTEMPORARY LITERATURE**

**3 semester hours**

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

**340-349. MAJOR AUTHORS (Group IV)**

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Austen, Dickens, Twain, Hemingway, Faulkner, Cervantes, Goethe and Camus are typical offerings.

**341. CHAUCER**

**3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

**342. SHAKESPEARE**

**3 semester hours**

A study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

**343. MILTON****3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

**350-359 GENRES (Group V)**

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

**351. THE NOVEL****3 semester hours**

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

**352. DRAMA****3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

**353. POETRY****3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

**362. A STUDY OF FILMS****3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112 (ENG 362 is the same as JMC 362.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****FINE ARTS**

*Chair, Department of Fine Arts:* Professor Myers

*Assistant Professors:* Williams, Rubeck

*Instructor:* Keith

*Part-time Instructors:* Gray, Wellford, Kinard,

A minor in Dance requires 18 semester hours distributed as follows: three courses selected from Fine Arts/Physical Education 103,104,112,113,114; two courses selected from Fine Arts/Physical Education 201,202,203; two semesters of Fine Arts/Physical Education 204; two courses selected from Fine Arts/Physical Education 365, 366, 367; plus 3 semester hours of additional dance courses at the 200 or higher level.

**103. DANCE SURVEY****2 semester hour**

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern ballet, tap, jazz and musical comedy. (FA 103 is the same as PE 103.)

**104. MODERN DANCE 1****1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance and outstanding modern dance personalities. (FA 104 is the same as PE 104.)

- 112. BALLET I** **1 semester hour**  
Study and participation in classical ballet techniques. (FA 112 is the same as PE 112.)
- 113. JAZZ DANCE I** **1 semester hour**  
Exploration of the various jazz dance techniques and styles as well as an introduction to the history and choreography of jazz dance. (FA 113 is the same as PE 113.)
- 114. DANCE IMPROVISATION** **1 semester hour**  
The study of both spontaneous and learned movements. Individual and group movement exercises include how poetry, the five senses, music, visual art and everyday gestures stimulate and influence dance. (FA 114 is the same as PE 114.)
- 201. MODERN DANCE II** **2 semester hours**  
Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: FA/PE 104 or permission of instructor. (FA 201 is the same as PE 201.)
- 202. BALLET II** **2 semester hours**  
Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: FA/PE 112 or permission of instructor. (FA 202 is the same as PE 202.)
- 203. JAZZ DANCE II** **2 semester hours**  
Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: FA/PE 113 or permission of instructor. (FA 203 is the same as PE 203.)
- 204. DANCE ENSEMBLE** **1 semester hour**  
A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. May be repeated for credit. Prerequisite: FA/PE 104 or 112 or equivalent dance experience. (FA 204 is the same as PE 204.)
- 211. INTRODUCTION TO FINE ARTS** **3 semester hours**  
A comparative study of major artistic styles and movements using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and esthetic values.
- 215. INTRODUCTION TO MUSIC LITERATURE** **3 semester hours**  
(Same course as MUS 215. See MUS 215 for description.)
- 217. MUSIC APPRECIATION** **3 semester hours**  
An overview of the art of music from approximately 1600 to the present day. Designed for the layman. Materials to be covered include compositional styles and development of musical forms by the great masters. (Same as MUS 217.)
- 218. HISTORY OF JAZZ** **3 semester hours**  
(Same course as MUS 218. See MUS 218 for description.)
- 221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES** **3 semester hours**  
(Same course as ART 221. See ART 221 for description.)
- 223. HISTORY OF ART: RENAISSANCE TO THE PRESENT** **3 semester hours**  
(Same course as ART 223. See ART 223 for description.)
- 251. FINE ARTS STUDIES IN ENGLAND** **3 semester hours**  
A study-tour in London with emphasis on theaters, concerts and places of cultural importance. Winter Term only.
- 360. INTRODUCTION TO THEATRE** **3 semester hours**  
An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final product.



**361. THEATRE WORKSHOP****1-3 semester hours**

A practicum in all aspects of drama production. Students accepted by audition with the production director.

**363. FUNDAMENTALS OF ACTING****3 semester hours**

Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and a sense of the operative theatre. Prerequisite: Permission of instructor.

**364. CHILDREN'S THEATRE****3 semester hours**

The course emphasizes how to produce and direct plays for young people and develops an understanding of the value and place of children's theatre in modern society.

**365. METHODS AND MATERIALS OF DANCE****3 semester hours**

(Same course as PE 365. See PE 365 for description.)

**366. DANCE CHOREOGRAPHY****3 semester hours**

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (FA 366 is the same as PE 366.)

**367. HISTORY OF DANCE****3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical comedy, religious and social dance. (FA 367 is the same as PE 367.)

**368. HISTORY OF AMERICAN MUSICAL THEATRE****3 semester hours**

A survey of the development of musical comedy in America from its origins in 1866 to the present. Major works, composers, lyricists, librettists and choreographers are studied. (FA 368 is the same as MUS 368.)

**421. MUSICAL THEATRE WORKSHOP****3 semester hours**

A practicum in all aspects of musical theatre production. Students accepted by audition with the production director. Winter term only.

## FOREIGN LANGUAGES

*Chair, Department of Literature, Languages and Communications:* Professor Smith

*Associate Professors:* Rodriguez, Lunsford

*Assistant Professors:* Romer, Wilson

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in German requires 18 semester hours of German courses. At least 6 of the semester hours must be at the 300-400 level.

**FRENCH 101, 102. FOUNDATIONS OF FRENCH****3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the French language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

**FRENCH 111, 112. ELEMENTARY FRENCH**

**3 semester hours each semester**

An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

**FRENCH 211, 212. INTERMEDIATE FRENCH**

**3 semester hours each semester**

A systematic review of French grammar for students with a minimum of 2 years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school French or FRE 111, 112 or equivalent.

**FRENCH 371. SPECIAL TOPICS**

**3 semester hours**

**GERMAN 111, 112. ELEMENTARY GERMAN**

**3 semester hours**

An introductory course for students who have taken at least 2 years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

**GERMAN 211, 212. INTERMEDIATE GERMAN**

**3 semester hours each semester**

A systematic review of German grammar for students with a minimum of 2 years of high school German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school German or GER 111, 112 or equivalent.

**GERMAN 371. SPECIAL TOPICS**

**3 semester hours**

**GREEK 111, 112. ELEMENTARY GREEK**

**3 semester hours each semester**

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivaton and composition. Offered alternate years.

**GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK**

**3 semester hours each semester**

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 101, 102. FOUNDATIONS OF SPANISH**

**3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

**SPANISH 111, 112. ELEMENTARY SPANISH**

**3 semester hours each semester**

An introductory course for students who have at least two years of any one foreign language in high school. It develops language skills by stressing cultural content, conversational use, and pronunciation while also giving a basis in Spanish grammar.

**SPANISH 211, 212. INTERMEDIATE SPANISH**

**3 semester hours each semester**

A systematic review of Spanish grammar for students with a minimum of 2 years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION**

**3 semester hours**

Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION**

**3 semester hours**

Continued work in conversation with new emphasis on writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I**

**3 semester hours**

A chronological survey of the development of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II**

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

- SPANISH 341. LATIN-AMERICAN LITERATURE I** **3 semester hours**  
 The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.
- SPANISH 342. LATIN-AMERICAN LITERATURE II** **3 semester hours**  
 A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.
- SPANISH 371. SPECIAL TOPICS** **3 semester hours**
- SPANISH 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**
- SPANISH 491. INDEPENDENT STUDY** **1-3 semester hours**

## GEOGRAPHY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Assistant Professor:* Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

- 121. PHYSICAL GEOGRAPHY** **3 semester hours**  
 A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.
- 131. WORLD REGIONAL GEOGRAPHY** **3 semester hours**  
 A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.
- 311. GEOGRAPHY OF THE UNITED STATES AND CANADA** **3 semester hours**  
 A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.
- 321. GEOGRAPHY OF EUROPE** **3 semester hours**  
 A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.
- 331. GEOGRAPHY OF NORTH CAROLINA** **3 semester hours**  
 North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## HISTORY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Professors:* Delp, G. Troxler, Crowe, C. Troxler  
*Assistant Professors:* L. Rich, Midgette, Kraig, Welch, Ireland

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from political science; plus 9 semester hours on the junior-senior level from the social sciences, literature, religion, or from any course in philosophy, psychology, or foreign language (at the 111 level or above).



History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in history. A minor in American history requires History 211, 212, one seminar in American history, and nine elective hours in United States or Latin American history. A minor in European history requires History 111, 112, one seminar in European or English history, and nine elective hours from European, English, and/or Russian history.

**111, 112. HISTORY OF WESTERN CIVILIZATION** **3 semester hours each semester**  
European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

**211, 212. AMERICAN HISTORY** **3 semester hours each semester**  
American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

**251. HISTORY STUDIES ABROAD** **3 semester hours**  
A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

**311, 312. HISTORY OF ENGLAND** **3 semester hours each semester**  
English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

**313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS** **3 semester hours**  
The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

**314. LATIN AMERICA IN THE TWENTIETH CENTURY** **3 semester hours**  
A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

**315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD** **3 semester hours**  
A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

**316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD** **3 semester hours**  
A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

**321. HISTORY OF MODERN CHINA** **3 semester hours**  
A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

**341. UNITED STATES FOREIGN POLICY TO 1939** **3 semester hours**  
Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)



**342. UNITED STATES FOREIGN POLICY SINCE 1939****3 semester hours**

(Same course as PS 342. See PS 342 for description.)

**343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES****3 semester hours**

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

**344. THE SOUTH IN AMERICAN HISTORY****3 semester hours**

Focus is on factors that produced southern distinctiveness and the implications of this regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, sub-cultural persistence, Civil Rights movement, and emergence of the modern sunbelt.

**345. AMERICAN MILITARY SCIENCE****3 semester hours**

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

**346. NORTH CAROLINA HISTORY****3 semester hours**

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

**347. HISTORY OF WOMEN IN THE U.S.****3 semester hours**

This course will focus on the roles and influences of women in the United States, primarily during the centuries since nationhood was established. Students will examine the political, social, familial, and working patterns of women, within the context of American and Western history as a whole.

**348. UNITED STATES SINCE 1933****3 semester hours**

Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

**353. EUROPE IN TRANSFORMATION, 1100-1600****3 semester hours**

A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

**354. EUROPE 1600-1791****3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

**355. NINETEENTH CENTURY EUROPE 1791-1914****3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

**357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT****3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA****3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789**

**3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisite: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR**

**3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM**

**3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH**

**3 semester hours**

Tudor England from the accession of Henry the Seventh in 1485 to the death of Elizabeth I in 1603. For individual exploration and discussion, students select topics relating to the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION**

**3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN HISTORY**

**3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

**491. INDEPENDENT STUDY**

**3 semester hours**

Open to history majors and minors who have junior or senior standing or by permission of instructor.

## **HUMAN SERVICES**

*Chair:* Associate Professor Higgs

*Professors:* Brogan, Granowsky

*Assistant Professors:* P. Kiser, Fromson

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 312 or Economics 246); and 15 semester hours (at least nine at the 300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence.

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435. A minor in Gerontology requires Human Services 211, 241, 324, 345, 351 and 381. The practicum must be taken in a facility or program for the elderly.

### **203. LEADERSHIP**

**2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Counselors.

### **211. INTRODUCTION TO HUMAN SERVICES**

**3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

### **212. METHODS IN HUMAN SERVICES**

**3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

### **221. EXPLORATIONS IN HUMAN SERVICES**

**3 semester hours**

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns, and controversies related to specific service areas is encouraged.

### **231. SOCIAL GROUP WORK**

**3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

### **241. INTRODUCTION TO AGING**

**3 semester hours**

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

### **324. LEISURE AND AGING**

**3 semester hours**

(Same course as REC 324. See REC 324 for description.)

### **345. ISSUES IN AGING**

**3 semester hours**

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

### **381. PRACTICUM IN HUMAN SERVICES**

**3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.



**411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES**

**3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

**412. PROFESSIONAL COMMUNICATION**

**3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

**413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES**

**3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.

**431. PRINCIPLES OF COUNSELING**

**3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.

**435. FAMILY COUNSELING**

**3 semester hours**

Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**481. INTERNSHIP IN HUMAN SERVICES**

**6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## JOURNALISM

The journalism program is listed under Communications.

## MATHEMATICS

*Chair, Department of Mathematics and Computing Sciences: Professor R. Haworth*

*Professors: Francis, W. Hightower*

*Associate Professors: Alexander, Barbee, Speas, Reichard*

*Assistant Professors: Richardson, Whitaker, Clark*

*Part-time Instructors: C. Holt, Scarlett, Walton*

A major in Mathematics requires Mathematics 112, 121, 221, 241, 311, 312, 321, 425; 9 additional semester hours of Mathematics at the 300-400 level (excluding 481); IS 111; CS 131 and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 112, 121, 221, 241, 311, 312, 321, 331, 341, 425; IS 111; CS 131; and Physics 113, 114, 115, 116.

A minor in Mathematics requires Mathematics 112, 121, 221, 241, 311, and one additional 3- or 4-semester-hour course selected from computing sciences, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Math 111, 112 and/or IS 111 by demonstrating proficiency.



- 100. INTRODUCTORY ALGEBRA** **3 semester hours (class meets 5 hours a week)**  
A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite. A final grade of "C" is prerequisite for registration for any higher math course.
- 111. COLLEGE ALGEBRA** **3 semester hours**  
Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.
- 112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS** **3 semester hours**  
A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.
- 121. CALCULUS AND ANALYTIC GEOMETRY I** **4 semester hours**  
Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.
- 160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS** **3 semester hours**  
Topics covered include matrices, linear systems, linear programming, probability, counting problems and elementary statistics.
- 165. APPLIED MATHEMATICS WITH CALCULUS** **3 semester hours**  
Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.
- 221. CALCULUS AND ANALYTIC GEOMETRY II** **4 semester hours**  
Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.
- 241. LOGIC AND DISCRETE MATHEMATICS** **3 semester hours**  
An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 111 or competency.
- 261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS** **3 semester hours each semester**  
Primarily a content course open only to the students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.
- 265. ELEMENTARY STATISTICS** **3 semester hours**  
A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.
- 311. LINEAR ALGEBRA** **3 semester hours**  
An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221, 241.

**312. MODERN ALGEBRA****3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

**315. NUMERICAL ANALYSIS****3 semester hours**

(Same course as CS 315. See CS 315 for description.)

**321. CALCULUS AND ANALYTIC GEOMETRY III****4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

**331. MODERN GEOMETRY****3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

**341. PROBABILITY THEORY AND STATISTICS****3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

**351. DISCRETE STRUCTURES****3 semester hours**

(Same course as CS 351. See CS 351 for description.)

**421. DIFFERENTIAL EQUATIONS****3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

**425, 426. ANALYSIS****3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

**481. INTERNSHIP IN MATHEMATICS****1-3 semester hours**

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

**491. INDEPENDENT STUDY****1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## MEDICAL TECHNOLOGY

*Chair, Department of Biology and Allied Health; Professor H. House*

*Adjunct Assistant Professor and Program Director: J. Smith*

*Adjunct Assistant Professor and Medical Director: Gay*

*College Program Director: House*

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; Biology 482, 483, 484, 485, 486, 487, 488; and a 1 semester hour course in Immunology.

## MILITARY SCIENCE

*Chair, Department of Military Science: Bowers*

*Assistant Professor: Jackson*

*Instructors: Johnson, Browning*

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

*Advanced Course:* Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, 442 and History 345.



*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

**111. INTRODUCTION OF CITIZEN/SOLDIER**

**1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

**112. INTRODUCTION TO UNITED STATES MILITARY FORCES  
IN SUPPORT OF NATIONAL DEFENSE**

**1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

**141, 142. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

**211. MAP READING SKILL DEVELOPMENT**

**1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

**212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES**

**1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

**241, 242. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

**251. ARMY ROTC BASIC CAMP**

**4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

**311. LEADERSHIP TRAINING**

**2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

**312. INTRODUCTION TO MILITARY TEAM THEORY**

**2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of each branch of the Army.

**341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.



**351. ARMY ROTC ADVANCED CAMP****4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

**411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT****2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics; military briefings; leadership.

**412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION****2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

**441, 442. LEADERSHIP LABORATORY****1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

**451. AIRBORNE TRAINING****3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

**MUSIC**

*Chair, Department of Fine Arts: Professor Myers*

*Professor: Bragg*

*Assistant Professors: Goter, Lewis, Ten Eyck, E. Williams*

*Instructor: Keith*

*Part-time Professors: Artley, Oehler*

*Part-time Instructors: King, Sullivan, Dula, Warren, Link, Brown, Liston, Johnson, Peterson*

**Requirements for the Major in Music**

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of 8 semesters of ensemble (Music 101, 102, 103), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

**Requirements for the Major in General Music**

A major in General Music for the A.B. degree has the same courses, ensemble, keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning

careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

### **Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 413, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### **General Regulations**

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

### **Applied Music—Individual and Group Instruction**

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *Special fees applicable to applied music lessons are described on page 33.*

## Applied Music Levels

**Piano:**  
120, 220, 320, 420

**Organ:**  
121, 221, 321, 421

**Voice:**  
122, 222, 322, 422

**Trumpet:**  
123, 223, 323, 423

**French Horn:**  
124, 224, 324, 424

**Trombone:**  
125, 225, 325, 425

**Baritone (Euphonium):**  
126, 226, 326, 426

**Tuba:**  
127, 227, 327, 427

**Flute:**  
128, 228, 328, 428

**Oboe:**  
129, 229, 329, 429

**Clarinet:**  
130, 230, 330, 430

**Bassoon:**  
131, 231, 331, 431

**Saxophone:**  
132, 232, 332, 432

**Violin:**  
133, 233, 333, 433

**Viola:**  
134, 234, 334, 434

**Cello:**  
135, 235, 335, 435

**String Bass:**  
136, 236, 336, 436

**Guitar:**  
137, 237, 337, 437

**Percussion:**  
138, 238, 338, 438

## Applied Music Classes—Group Instruction

### 152,153. VOICE CLASS I & II

1 semester hour each semester

Group voice instruction (beginning and intermediate). Audition required.

### 154-157. PIANO CLASS I-IV

1 semester hour each semester

Group piano instruction ranging from beginning to intermediate. Audition required.

### 258,259. DICTION FOR SINGERS

1 semester hour each semester

Required of voice majors.

## Music Materials, Structures and Techniques

### 111, 112. THE MATERIALS OF MUSIC I & II

3 semester hours

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

### 113, 114. MUSIC SKILLS LAB I & II

1 semester hour each semester

Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

### 211, 212. THE MATERIALS OF MUSIC III & IV

3 semester hours

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

### 213, 214. MUSIC SKILLS LAB III & IV

1 semester hour each semester

Designed to be taken in conjunction with Music 211, 212.

### 311. COUNTERPOINT I

2 semester hours

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

### 312. COUNTERPOINT II

2 semester hours

Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

### 313. FORM AND ANALYSIS

2 semester hours

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.

**411. INSTRUMENTAL AND CHORAL ARRANGING****2 semester hours**

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

**412. COMPOSITION****2 semester hours**

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

**413. TWENTIETH CENTURY TECHNIQUES****2 semester hours**

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

**Literature and History****215. INTRODUCTION TO MUSIC LITERATURE****3 semester hours**

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

**217. MUSIC APPRECIATION****3 semester hours**

(Same as Fine Arts 217. See Fine Arts 217 for description.)

**218. HISTORY OF JAZZ****3 semester hours**

A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1985. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES****3 semester hours each semester**

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

**368. HISTORY OF AMERICAN MUSICAL THEATRE****3 semester hours**

(Same course as FA 368. See FA 368 for description.)

**Music Education****261. MUSIC IN THE ELEMENTARY SCHOOL****3 semester hours**

A study for the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

**361. PERCUSSION METHODS****1 semester hours****362. BRASS METHODS****1 semester hour****363. WOODWIND METHODS****1 semester hour****364. CHORAL/VOCAL METHODS****1 semester hour****365. STRING METHODS****1 semester hour****366. CONDUCTING****2 semester hours each semester**

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.



**461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS**

**3 semester hours each semester**

A study of methods and materials suitable for the elementary, middle and senior school levels.

**Ensembles**

<b>101. BAND (open to all students)</b>	<b>1 semester hour</b>
<b>102. CHOIR (open to all students)</b>	<b>1 semester hour</b>
<b>103. ORCHESTRA (by audition)</b>	<b>1 semester hour</b>
<b>104. JAZZ ENSEMBLE (by audition)</b>	<b>1 semester hour</b>
<b>105. CHAMBER SINGERS (by audition)</b>	<b>1 semester hour</b>
<b>106. CHAMBER ENSEMBLE (by audition)</b>	<b>1 semester hour</b>

**Other Offerings**

**251. MUSIC STUDIES IN ENGLAND** **3 semester hours**

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

**360. METHODS AND MATERIALS OF PIANO PEDAGOGY** **2 semester hours**

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

Small group study under the guidance of a member of the staff.

**481. PRACTICUM IN MUSIC THEATRE** **1-3 semester hours**

A practicum in all aspects of theatre production. Students accepted by audition with the production director.

**491. INDEPENDENT STUDY** **1-3 semester hours**

**NATURAL SCIENCE**

*Professors:* Danieleley, F. Harris, H. House

*Associate Professor:* Fields

*Assistant Professor:* Agnew

*Instructor:* Baunach

**160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**3 semester hours**

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

**161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**2 semester hours**

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors. Prerequisite: NS 160 or permission of instructor.

**162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**3 semester hours**

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstration. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

## PHILOSOPHY

*Chair:* Professor Sullivan

*Associate Professor:* Waller

*Instructor:* Hilliard

A major in Philosophy requires Philosophy 111, 113, 115; three courses from Philosophy 341, 342, 343, 344, 345, 352, 355; three courses from Philosophy 331, 332, 333, 431, 432; and 6 semester hours in one foreign language at the 111 level or above. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.

### 111. INTRODUCTION TO PHILOSOPHY

**3 semester hours**

Introduces student to the philosophical approach to an understanding of his world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

### 113. LOGIC

**3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

### 115. ETHICS

**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles to specific solutions in which moral choices are made by individuals and policy-making bodies.

### 331. ANCIENT PHILOSOPHY

**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

### 332. MEDIEVAL PHILOSOPHY

**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

### 333. MODERN PHILOSOPHY

**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

### 341. PHILOSOPHY OF LAW

**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

### 342. PHILOSOPHY AND SOCIETY

**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when man himself is the object of investigation.

### 343. AGES AND STAGES OF LIFE

**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

**344. PHILOSOPHY OF SCIENCE****3 semester hours**

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

**345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM****3 semester hours**

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and women in sports.

**352. EASTERN PHILOSOPHY****3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tsu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

**431. CONTEMPORARY PHILOSOPHY****3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Part I examines British analytical philosophy and considers figures such as Russell, Wittgenstein, Ayer and Austin. Part II focuses on Existentialism and considers figures such as Sartre, Camus, Heidegger and Buber.

**432. AMERICAN PHILOSOPHY****3 semester hours**

An examination of the development of the American mentality from the colonial period to the present. Special attention is given to Edwards, Emerson, Dewey and Skinner as representative figures in the development of American culture.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****PHYSICAL EDUCATION AND HEALTH**

*Chair, Department of Health, Physical Education and Recreation:*

Professor Brown

Professor: A. White

Associate Professors: Parham, Beedle

Assistant Professors: L. Carden, Morningstar, Baker, Ballard, Bailey, Jones, Calhoun, Burton, K. Carden, Myers, Bodle, Humphries, Drummond

Instructors: Lindsay, Leonard

Part-time Instructors: Gray, Wellford

**Physical Education Requirements**

A major in Physical Education requires HPER 211, 221, 321, 411, 422; Biology 161, 162 plus completion of at least one of the following three emphasis components:

(1) Teacher certification for Physical Education requires HPER 161, 162, 263, 310, 360, 363, 365; one course from HPER 342, 343, 344, 345, 347; HPER 410, 423 and EDU 423 in addition to Education requirements.

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

(2) Community Recreation requires Recreation 211, 322, 323, 424, 425, 481 (6 semester hours); Business Administration 302; Communications 210; and HPER 161 or 263, 162 and 310.

(3) Commercial Leisure and Sports Management requires Accounting 211, 212; Business Administration 302, 311, 323; Economics 212; Recreation 325, 424; HPER 109, 161 or 263 and 162.

A minor in Physical Education requires HPER 162, 211, 221, 263, 360 or 365, 410, 411

A minor in Sports Medicine requires Biology 161, 162; HPER 221, 321, 424, and 481 (3 semester hours).

A minor in Physical Education with a coaching concentration requires HPER 211, 221, 310, 410; two courses from HPER 342, 343, 344, 345, 347; and HPER 461 (Seminar in Athletic Coaching—3 semester hours).

## Health Education Requirements

A major in Health Education requires HPER 120, 160, 211, 220, 322, 323, 410, 411, 412; Biology 161, 162; Psychology 332, 333, 415; and EDU 427 in addition to Education requirements for certification.

Physical Education endorsement for the Health Education major requires EDU 423 and 15 additional hours chosen from the required PE certification courses.

<b>100. TENNIS AND BADMINTON</b>	<b>1 semester hour</b>
<b>101. HANDBALL AND RACQUETBALL</b>	<b>1 semester hour</b>
<b>102. ELEMENTARY GYMNASTICS</b>	<b>1 semester hour</b>
<b>103. DANCE SURVEY</b> (Same course as FA 103. See FA 103 for description.)	<b>2 semester hours</b>
<b>104. MODERN DANCE I</b> (Same course as FA 104. See FA 104 for description.)	<b>1 semester hour</b>
<b>105. GOLF AND ARCHERY</b>	<b>1 semester hour</b>
<b>106. BEGINNING SWIMMING</b> Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.	<b>1 semester hour</b>
<b>107. INTERMEDIATE TO ADVANCED SWIMMING</b> Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification.	<b>1 semester hour</b>
<b>108. ADVANCED LIFE SAVING AND WATER SAFETY</b> Provides knowledge and skill designed to save student's own life or the life of another; not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.	<b>1 semester hour</b>
<b>109. OVERLOAD CONDITIONING</b> Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.	<b>1 semester hour</b>



- 110. SNOW SKIING—BEGINNER TO ADVANCED** **1-3 semester hours**  
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only). Extra fees required. (For details, consult Physical Education Department staff.)
- 112. BALLET I** **1 semester hour**  
(Same course as FA 112. See FA 112 for description.)
- 113. JAZZ DANCE I** **1 semester hour**  
(Same course as FA 113. See FA 113 for description.)
- 114. DANCE IMPROVISATION** **1 semester hour**  
(Same course as FA 114. See FA 114 for description.)
- 116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**  
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. (PE 116 is the same as REC 116.)
- 117. EQUITATION I** **1 semester hour**  
Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee \$150.
- 118. EQUITATION II** **1 semester hour**  
The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPER 117 or permission of instructor. Special fee \$150.
- 119. EQUITATION III** **1 semester hour**  
The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPER 118 or permission of instructor. Special fee \$150.
- 120. CONTEMPORARY HEALTH PROBLEMS** **3 semester hours**  
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.
- 160. FOUNDATIONS OF PHYSICAL ACTIVITY** **2 semester hours**  
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.
- 161, 162. LIFETIME SPORTS SKILLS LABORATORY** **2 semester hours each semester**  
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only.
- 201. MODERN DANCE II** **2 semester hours**  
(Same course as FA 201. See FA 201 for description.)
- 202. BALLET II** **2 semester hours**  
(Same course as FA 202. See FA 202 for description.)
- 203. JAZZ DANCE II** **2 semester hours**  
(Same course as FA 203. See FA 203 for description.)
- 204. DANCE ENSEMBLE** **1 semester hour**  
(Same course as FA 204. See FA 204 for description.)
- 208. WATER SAFETY INSTRUCTORS COURSE** **2 semester hours**  
Designed to teach students how to teach others swimming and lifesaving skills and aspects of First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.
- 209. SKIN AND BASIC SCUBA DIVING** **2 semester hours**  
Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL EDUCATION AND RECREATION****3 semester hours**

An introductory study in the history of health education, physical education and recreation; philosophical, psychological, physiological, and sociological bases for activity.

**220. FIRST AID (Non-Majors Only)****3 semester hours**

Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**221. SPORTS MEDICINE/FIRST AID (Majors Only)****3 semester hours**

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**260. SAFE DRIVING****3 semester hours**

The principles of teaching basic driving skills, including defensive driving, observation and interpretation of motor vehicle laws, adverse driving conditions, and care and use of the automobile. Classroom instruction and in-car instruction. Laboratory fee.

**263. SPORTS SKILLS LABORATORY****2 semester hours**

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING****2 semester hours**

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

**310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING****3 semester hours**

Emphasis is placed upon qualities of the teacher-coach, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

**321. KINESIOLOGY****3 semester hours**

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 265.

**322. HEALTH OF THE BODY SYSTEMS****3 semester hours**

A study of the interdependency of body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases, immune system, dental health, and socio-cultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 265.

**323. NUTRITION AND SUBSTANCE ABUSE****3 semester hours**

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

**342. METHODS OF COACHING FOOTBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

**343. METHODS OF COACHING BASKETBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

**344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

**345. METHODS OF COACHING SOCCER AND VOLLEYBALL****2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

- 347. METHODS OF COACHING WRESTLING** **2 semester hours**  
A study of appropriate terms, drills, methods, and strategy for coaching wrestling.
- 360. METHODS AND MATERIALS FOR ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)** **3 semester hours**  
Designed for elementary teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.
- 361. METHODS AND MATERIALS FOR MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)** **3 semester hours**  
Designed for middle school teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.
- 363. METHODS AND MATERIALS OF GYMNASTICS** **2 semester hours**  
A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized. Prerequisite: HPER 162 or permission of instructor.
- 365. METHODS AND MATERIALS OF DANCE** **3 semester hours**  
Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels. (PE 365 is the same as FA 365.)
- 366. DANCE CHOREOGRAPHY** **3 semester hours**  
(Same course as FA 366. See FA 366 for description.)
- 367. HISTORY OF DANCE** **3 semester hours**  
(Same course as FA 367. See FA 367 for description.)
- 410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS** **3 semester hours**  
A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools and colleges or other appropriate settings. Fall semester only.
- 411. MEASUREMENT AND EVALUATION IN HPER** **3 semester hours**  
Includes techniques of the administration of basic motor ability tests, and tests of associated and concomitant learnings in physical education and means of utilizing test data for specified purposes.
- 412. CONSUMERISM AND COMMUNITY HEALTH** **3 semester hours**  
An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.
- 422. PHYSIOLOGY OF EXERCISE** **3 semester hours**  
The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 265.
- 423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD** **3 semester hours**  
A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.
- 424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING** **3 semester hours**  
Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training.



**461. SEMINAR IN ATHLETIC COACHING****3 semester hours**

Winter Term only.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

**481. INTERNSHIP IN PHYSICAL EDUCATION****1-6 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****PHYSICS***Chair, Department of Physical Sciences: Professor F. Harris**Assistant Professor: Agnew**Instructor: Baunach*

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 421, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

**101. BASIC CONCEPTS OF PHYSICS****4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

**102. FUNDAMENTALS OF ASTRONOMY****3 semester hours**

A basic course designed to acquaint the non-science major with the many aspects and triumphs of astronomy as a modern science. Lectures, laboratories and trips to nearby facilities. Prerequisite: PHY 101 or permission of instructor.

**103. FUNDAMENTALS OF PHOTOGRAPHY****3 semester hours**

A basic course providing an introduction to black and white photography. Topics include use of the adjustable 35 mm single-lens reflex camera, film processing, projection printing, and preparation of the finished mounted print. 2 class hours and 2 laboratory hours per week.

**111, 112. GENERAL PHYSICS I AND II****3 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

**113, 114. GENERAL PHYSICS I AND II WITH CALCULUS****3 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Prerequisite: MTH 121.

**115, 116. GENERAL PHYSICS LABS I AND II****1 semester hour each semester**

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

**201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION****3 semester hours**

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

**211, 212. MECHANICS AND HEAT****3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.



**311, 312. ELECTROMAGNETISM AND OPTICS** **3 semester hours each semester**  
 Fundamental concepts of electromagnets. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 121.

**391. INDEPENDENT STUDY** **1 or 2 semester hours each semester**  
 Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS** **3 semester hours each semester**  
 First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

**421, 422. ADVANCED LABORATORY** **1 semester hour each semester**  
 Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

**481. INTERNSHIP IN PHYSICS** **1-3 semester hours**

## POLITICAL SCIENCE

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Long, Taylor, Zarzar, Anderson, Brumbaugh

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 312; Computer Information Systems 111; Economics 211; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 312; and 6 additional hours in Political Science.

**131. INTRODUCTION TO AMERICAN GOVERNMENT** **3 semester hours**  
 A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION** **3 semester hours**  
 (Same course as PA 211. See PA 211 for description.)

**232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES** **3 semester hours**  
 A study of the structure and functioning of the state and local government and its role within the federal system.

**241. INTERNATIONAL RELATIONS** **3 semester hours**  
 A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

**311. PUBLIC POLICY** **3 semester hours**  
 (Same course as PA 311. See PA 311 for description.)

**331. COMPARATIVE POLITICS** **3 semester hours**  
 A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.

**341. UNITED STATES FOREIGN POLICY TO 1939** **3 semester hours**  
 (Same course as HST 341. See HST 341 for description.)

- 342. UNITED STATES FOREIGN POLICY SINCE 1939** **3 semester hours**  
A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)
- 343. THE AMERICAN PRESIDENCY** **3 semester hours**  
A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.
- 352. POLITICAL THOUGHT** **3 semester hours**  
A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of the instructor.
- 353. MODERN POLITICAL THOUGHT** **3 semester hours**  
A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.
- 354. POLITICAL SOCIALIZATION** **3 semester hours**  
The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.
- 356. DEMOCRACY AND TOTALITARIANISM** **3 semester hours**  
An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.
- 357. ELECTORAL BEHAVIOR** **3 semester hours**  
A study of the electoral process and an analysis of the determinants of voting behavior.
- 358. PARTIES AND INTEREST GROUPS** **3 semester hours**  
A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.
- 362. TOPICS IN THIRD WORLD POLITICS** **3 semester hours**  
Study of a selected topic pertinent to third world politics.
- 420. WORKSHOP IN POLITICS** **3 semester hours**  
Personal experience in the political system of the U. S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.
- 441. WAR, PEACE AND CONFLICT RESOLUTION** **3 semester hours**  
An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.
- 471. SEMINAR: SPECIAL TOPICS** **3 semester hours**
- 481. INTERNSHIP IN POLITICAL SCIENCE** **1-3 semester hours**  
Prerequisites: PS 131 and 211.
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## PSYCHOLOGY

*Chair, Department of Education and Psychology: Professor Brogan*

*Professors: Granowsky, Simon*

*Associate Professor: Higgs*

*Assistant Professors: P. Kiser, Pickens, Fromson, McClearn, Pullium*

A major in Psychology requires Psychology 211, 432, 471; 3 courses from PSY 221, 241, 261 and MTH 265; plus an additional 21 semester hours from Psychology courses and/or Human Services 431, 435, PHL 343 or MTH 265.

A minor in Psychology requires Psychology 211, a course in statistics/methodology (Mathematics 265, Social Science 312 or Economics 246), plus 15 semester hours selected from Psychology courses and/or Philosophy 343, Human Services 431, 435.

### **211. GENERAL PSYCHOLOGY**

**3 semester hours**

An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.

### **221. INTRODUCTION TO BIOPSYCHOLOGY**

**3 semester hours**

This course will explore the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions, such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

### **231. SOCIAL PSYCHOLOGY**

**3 semester hours**

This course will explore ways in which people behave in the actual or implied presence of others. Various theoretical and methodological issues will be presented, as will specific topics such as conformity, attraction, aggression, social perception and prejudice. Prerequisite: Psychology 211.

### **241. APPLIED PSYCHOLOGY**

**3 semester hours**

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health psychology, industrial/organizational psychology, consumer psychology, engineering and environmental psychology, and psychology and law.

### **261. EXPERIMENTAL PSYCHOLOGY**

**3 semester hours**

An introductory course on method and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, develop an experimental design, analyze data, and report findings. Prerequisite: Psychology 211.

### **311. PSYCHOLOGY OF ADJUSTMENT**

**3 semester hours**

An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.

### **315. PSYCHOLOGY OF WOMEN**

**3 semester hours**

This course will explore the psychological aspects of the issues and events of the female experience. Prerequisite: Psychology 211.

### **321. EDUCATIONAL PSYCHOLOGY**

**3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence, motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisites: PSY 211.

### **331. PSYCHOLOGY OF CHILDHOOD**

**3 semester hours**

The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child. Prerequisite: PSY 211.

**332. PSYCHOLOGY OF EXCEPTIONALITY****3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211.

**333. ABNORMAL BEHAVIOR****3 semester hours**

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

**341. PSYCHOLOGY OF ADOLESCENCE****3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality. Prerequisite: PSY 211.

**351. ADULT DEVELOPMENT****3 semester hours**

An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, effective, social, and spiritual). Prerequisite: PSY 211.

**371. SPECIAL TOPICS****3 semester hours****411. PSYCHOLOGICAL MEASUREMENT****3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational or counseling process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**415. HUMAN SEXUALITY****3 semester hours**

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211.

**421. THEORIES OF PERSONALITY****3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY****3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisite: PSY 211.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

Prerequisite: Senior Psychology Major or permission of instructor.

**481. INTERNSHIP IN PSYCHOLOGY****1-3 semester hours**

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to 3 semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only, faculty approval.

**491. INDEPENDENT STUDY****1-3 semester hours**



## PUBLIC ADMINISTRATION

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Taylor, Brumbaugh

A major in Public Administration requires Public Administration 211, 311, 431, 477 and 478; Political Science 131, 232; Social Science 312; Accounting 211; Economics 211, 212; and Computer Information Systems 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; JMC 210; Economics 313, 321, 332; Business Administration 323, 325, 328; Recreation 322, 424, 425; and Political Science 343, 420, 471.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 131; and Business Administration 323 and 325.

### **211. INTRODUCTION TO PUBLIC ADMINISTRATION** **3 semester hours**

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

### **311. PUBLIC POLICY** **3 semester hours**

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

### **351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION** **3 semester hours**

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

### **431. POLICY ANALYSIS AND PROGRAM EVALUATION** **3 semester hours**

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

### **471. SEMINAR: SPECIAL TOPICS** **3 semester hours**

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

### **477, 478. SENIOR THESIS** **2 semester hours each semester**

Year long study which includes topic selection, topic research and proposal, and both a written and oral final presentation. Prerequisites: Senior status and SS 312.

### **481. INTERNSHIP IN PUBLIC ADMINISTRATION** **1-6 semester hours**

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

### **491. INDEPENDENT STUDY** **1-3 semester hours**

## RADIO BROADCASTING

The Radio Broadcasting program is listed under Communications.

## RADIOLOGIC TECHNOLOGY

*Chair, Department of Biology and Allied Health:* Professor H. House.  
*Coordinator:* Professor Rao

The requirements for the Bachelor of Applied Science in Radiologic Technology consist of (1) completion of a 24-month, A.M.A. approved pro-

gram in Radiologic Technology; (2) completion of the general studies requirements; (3) one full academic year of study at Elon; and (4) completion of the following specific course requirements: Biology 111, 161, Chemistry 101, Physics 101, Psychology 211. The student has the option of completing the clinical phase of the program either before or after completion of the course requirements at Elon. If the program is initiated at Elon, the College will provide assistance to the student in applying for admission to an approved clinical program. Students who complete the clinical phase of the program first may be given credit for Biology 161. The degree normally requires two years at Elon in addition to the 24-month A.M.A. approved program.

## RECREATION

*Chair, Department of Health, Physical Education and Recreation:*

Professor Brown

Professor: A. White

Associate Professor: Beedle

Assistant Professors: Calhoun, Drummond

Community Recreation is one of the emphasis options for the Physical Education major. Please refer to the Physical Education and Health section of this catalog for the requirements.

A minor in Recreation requires Recreation 211, 322, 323, 424, and Physical Education 211 and 481 (3 semester hours).

### **116. OUTWARD BOUND EXPERIENCE**

**1-3 semester hours**

(Same course as PE 116. See PE 116 for description.)

### **211. INTRODUCTION TO RECREATION**

**3 semester hours**

A study of the nature and history of leisure, play and recreation as they relate to contemporary recreation services.

### **322. RECREATION LEADERSHIP AND PROGRAMMING**

**3 semester hours**

Emphasis on the leadership and group dynamics processes as they pertain to the professional recreation setting; principles and approaches to recreational programming. Spring semester only.

### **323. RECREATION SERVICES FOR SPECIAL POPULATIONS**

**3 semester hours**

The study of the historical and societal factors affecting the present status, care, treatment and recreation of the mentally and physically handicapped in the United States. Fall semester only.

### **324. LEISURE AND AGING**

**3 semester hours**

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (REC 324 is the same as HUS 324.)

### **325. COMMERCIAL LEISURE MANAGEMENT**

**3 semester hours**

An in-depth study of the history, development and current status of the commercial leisure and tourism industry in the U.S. Survey of the development and operation of commercial goods and services offered in the leisure market.

### **424. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION**

**3 semester hours**

Designed to provide a thorough study of the background, organization and principles of the public recreation administration process. Fall semester only.

**425. OUTDOOR RECREATION SERVICES****3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized. Spring semester only.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP IN RECREATION****1-6 semester hours**

This course is designed to give practical experience in community recreation, parks and commercial leisure establishments.

**RELIGION**

*Chair, Department of Religion: Professor Pace*

*Professor: W. Rich*

*Associate Professor: Chase*

*Assistant Professors: McBride, Wilson, Pugh*

*Part-time Instructor: Montgomery*

A major in Religion requires Religion 111, 112, 121, 141, and 24 semester hours of additional Religion courses. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

**111. INTRODUCTION TO THE OLD TESTAMENT****3 semester hours**

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

**112. INTRODUCTION TO THE NEW TESTAMENT****3 semester hours**

The rise and development of Christianity and its literature.

**121. WORLD RELIGIONS****3 semester hours**

The origin and historical development of selected religious traditions.

**131. RELIGIOUS THINKING****3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

**141. RELIGIOUS VALUES AND DECISION MAKING****3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

**251. RELIGION STUDIES ABROAD****3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

**321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST****3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

**322. OLD TESTAMENT PROPHETS****3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

**323. WISDOM LITERATURE****3 semester hours**

This course examines the nature, history, and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes, and some Psalms. Current views of Old Testament scholars are also examined. Prerequisites: Junior or senior status, or permission of instructor.

**326. THE WRITINGS OF PAUL****3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

**327. THE GOSPEL OF JOHN****3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

**328. THE SYNOPTIC GOSPELS****3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

**334. MODERN RELIGIOUS THINKERS****3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

**336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH****3 semester hours**

This course examines the influence of Christianity in a socio-cultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies, and decisions will be examined. Prerequisite: Junior or senior status, or permission of instructor.

**338. TYPES OF THEOLOGY****3 semester hours**

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world. Prerequisite: Junior or senior status or permission of the instructor.

**341. CHRISTIAN ETHICS****3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

**345. THEOLOGY OF HUMAN LIBERATION****3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**347. WOMEN AND RELIGION****3 semester hours**

The impact which religion past and present, had and is having on women in the home, church, and society will be examined. Likewise, the impact which women, past and present have had on religion, religious thought, and religious institutions will be considered. Prerequisite: Junior or senior status or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## SCIENCE EDUCATION

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

### Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or



Physics listed below, plus 8 semester hours from one of the other two listed areas, Mathematics 111, 112, (or higher), Geography 121, Chemistry 103 and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221 321, 322, 411

**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

### **Secondary Science Certification**

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103, and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221, 321, 322, 411

**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Systems 111.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

## **SOCIAL SCIENCE**

*Chair, Department of Social Sciences:* Associate Professor T. Henricks

*Professors:* Delp, G. Troxler, Crowe, C. Troxler

*Associate Professors:* Long, Toney, Taylor, Zarzar, Brumbaugh, Basirico

*Assistant Professors:* Cates, Arcaro, Midgette, Kraig, Welch, Ireland

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

### **312. RESEARCH METHODS**

**3 semester hours**

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

## **SOCIOLOGY**

*Chair, Department of Social Sciences:* Associate Professor T. Henricks

*Associate Professor:* Basirico

*Assistant Professors:* Arcaro, Bolin

*Part-time Instructor:* Wortham

A major in Sociology requires Sociology 111, 311, 351, plus 18 semester hours of additional Sociology courses; Computer Information Systems 111; Mathematics 265; Social Science 312; and 6 semester hours selected from History 343, Human Services 231, Philosophy 113 and 342, and Psychology 211.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses and/or Philosophy 342.

### **111. INTRODUCTORY SOCIOLOGY**

**3 semester hours**

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

### **112. ANTHROPOLOGY**

**3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

### **211. SOCIAL PROBLEMS**

**3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

### **311. THE FAMILY**

**3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

### **313. CRIME AND DELINQUENCY**

**3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

### **321. CULTURAL ANTHROPOLOGY**

**3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

### **331. THE SELF AND SOCIETY**

**3 semester hours**

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity, and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisites: SOC 111.

### **333. SOCIAL STRATIFICATION**

**3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

### **341. ETHNIC AND RACE RELATIONS**

**3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

**343. SOCIAL AND CULTURAL CHANGE**

**3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

**344. SOCIAL DEVIANCE**

**3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

**345. SOCIOLOGICAL PERSPECTIVES OF WOMEN & MEN**

**3 semester hours**

Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: Sociology 111.

**351. SOCIOLOGICAL THEORY**

**3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**481. INTERNSHIP IN SOCIOLOGY**

**1-3 semester hours**

Limited to 3 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## TELEVISION

The Television program is listed under Communications.

## WOMEN'S STUDIES

*Coordinator:* Professor Smith

A minor in Women's Studies requires WS 211, WS 411, and 12 hours in addition chosen from Economics 317, English 333, History 347, Philosophy 345, Psychology 315, Religion 347, Sociology 345, and WS 371.

**211. INTRODUCTION TO WOMEN'S STUDIES**

**3 semester hours**

A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.

**371. TOPICS IN WOMEN'S STUDIES**

**3 semester hours**

**411. ISSUES IN FEMINIST STUDIES**

**3 semester hours**

Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political, and literary topics, using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and 3 courses in Women's Studies.

**ECO 317. THE ECONOMICS OF WOMEN**

**3 semester hours**

(See ECO 317 for description)

<b>ENG 333. FEMINIST APPROACHES TO LITERATURE</b> (See ENG 333 for description)	<b>3 semester hours</b>
<b>HST 347. HISTORY OF WOMEN IN THE U.S.</b> (See HST 347 for description)	<b>3 semester hours</b>
<b>PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM</b> (See PHL 345 for description)	<b>3 semester hours</b>
<b>PSY 315. PSYCHOLOGY OF WOMEN</b> (See PSY 315 for description)	<b>3 semester hours</b>
<b>REL 347. WOMEN AND RELIGION</b> (See REL 347 for description)	<b>3 semester hours</b>
<b>SOC. 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN</b> (See SOC 345 for description)	<b>3 semester hours</b>



# Directory and Appendices

## Officers of the Corporation

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 Royall H. Spence, Jr., D.C.S., *Vice Chairman*  
 J. Fred Young, Ed. D., *President*  
 Thomas E. Powell, III, M.D., *Secretary*  
 Warren L. Board, Ph.D., *Assistant Secretary*  
 Robert E. Poindexter, M.Ed., *Treasurer*

## Board of Trustees

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 Emily Harris Preyer, *Greensboro, N.C.*  
 Ralph H. Scott, LL.D., *Burlington, N.C.*  
 C. Max Ward, *Burlington, N.C.*

### Terms Expiring May 31, 1990

Noel Lee Allen, J.D., *Raleigh, N.C.*  
 Barbara Day Bass, *Richmond, Va.*  
 Thad Eure, LL.D., *Raleigh, N.C.*  
 Walter L. Floyd, M.D., *Durham, N.C.*  
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 Maurice Jennings, *Burlington, N.C.*  
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 J. Hinton Rountree, *Ft. Pierce, Fla.*

### Terms Expiring May 31, 1991

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 Royall H. Spence, Jr., *Greensboro, N.C.*  
 W. Millard Stevens, D.D., *Burlington, N.C.*

### Terms Expiring May 31, 1992

Nancy Newman Fulgham, *Suffolk, Va.*  
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R. Leroy Howell, D.D.S., *Suffolk, Va.*  
Robert E. LaRose, *Clifton, Va.*  
James W. Maynard, *Burlington, N.C.*  
James B. Powell, M.D., *Burlington, N.C.*  
Japheth E. Rawls, Jr., M.D., *Suffolk, Va.*  
A. G. Thompson, *Lincolnton, N.C.*

### Ex-Officio

J. Fred Young, Ed.D., *President of the College*  
Rollin O. Russell, D.Min., *Conference Minister, Southern Conference*  
Rev. J. Cecil Cheek, *President of the Southern Conference*  
Mills E. Godwin, Jr., LL.B., *Trustee Emeritus*  
J. Harold Smith, *Trustee Emeritus*

### Faculty, 1987-1988

Jerome R. Adams, 1984\*, *Assistant Professor of English*  
A.B., Ph.D., *University of North Carolina*  
Jimmie D. Agnew, 1985, *Assistant Professor of Science Education*  
B.A., *George Washington University*; M.S.S.T., Ph.D., *The American University*  
Mark R. Albertson, 1980, *Assistant Professor; Registrar*  
B.B.A., *Fort Lauderdale University*  
J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
B.S., M.A., *Appalachian State University*; M.S., *New Mexico State University*  
Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science*;  
*Assistant to the President*  
B.A., *St. Andrews Presbyterian College*; M.A., Ph.D. candidate, *American University*  
Andrew J. Angyal, 1976, *Associate Professor of English*  
B.A., *Queens College, CUNY*; M.A., *Yale University*; Ph.D., *Duke University*  
Thomas E. Arcaro, 1985, *Assistant Professor of Sociology*  
B.A., *Ohio State University*; M.S., Ph.D., *Purdue University*  
Malvin N. Artley, 1963, *Part-time Professor of Music*  
B.Mus., *Shenandoah Conservatory of Music*; M.Mus., *Cincinnati Conservatory*; D.F.A., *Chicago Musical College, Roosevelt University*  
Robert A. Bailey, 1984, *Assistant Professor of Physical Education and Health*;  
*Assistant Football Coach*  
B.S., M.A.Ed., *East Carolina University*  
Martin H. Baker, 1980, *Assistant Professor of Physical Education and Health*;  
*Athletic Trainer*  
B.S., *SUNY at Brockport*; M.S., *Indiana State University*

\*Year of Appointment

- Steven J. Ballard, 1977, *Assistant Professor of Physical Education and Health; Soccer Coach*  
 B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
 B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Assistant Professor of Sociology*  
 B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Charles C. Bass, 1987, *Part-Time Instructor in Economics*  
 B.A., Graduate Studies, University of North Carolina at Chapel Hill
- Lynne G. Baunach, 1986, *Instructor in Chemistry*; B.A., Goucher College;  
 M.S., Fairleigh Dickinson University; Ph.D. candidate, University of North Carolina at Chapel Hill.
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
 A.B., Elon College; J.D., Duke University
- Barry B. Beedle, 1978, *Assistant Professor of Physical Education and Health*  
 B.S., M.S., Mississippi State University; Ed. D., University of Mississippi
- Richard L. Behrman, 1987, *Part-Time Assistant Professor of Business Administration*  
 B.B.A., Iona College; M.B.A., New York University
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
 A.B., Elon College; M.A., University of North Carolina
- Thomas M. Beveridge, 1985, *Assistant Professor of Economics*  
 B.A., M.A., M.Ed., University of Dundee, Scotland; Doctoral Studies, University of North Carolina
- Robert G. Blake, 1968, *William S. Long Professor of English*  
 A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Professor of English; Director of Honors Program*  
 B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- Warren L. Board, 1986, *Professor of Social Science, Vice President for Academic and Student Affairs*  
 B.A., University of Idaho; M.A., University of Denver; Ph.D., Syracuse University
- David L. Bodle, 1985, *Instructor in Physical Education and Health; Assistant Football Coach*  
 B.S., Penn State University; M.Ed., University of Georgia
- Mark W. Bowers, 1986, *Assistant Professor of Military Science*  
 B.A., Furman University; M.A., Brenau College
- Jeanette M. Boxill, 1987, *Assistant Professor Philosophy*  
 A.B., M.A., Ph.D., University of California-Los Angeles
- K. Wilhelmina Boyd, 1987, *Part-Time Assistant Professor of English*  
 B.A., Bennett College; M.A., North Carolina Central University
- Barry A. Bradberry, 1975, *Assistant Professor; Associate Dean of Admissions and Financial Planning*  
 A.A., Chowan College; A.B., Elon College; M.Ed., University of North Carolina at Greensboro

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- Jean L. Brittain, 1987, *Part-Time Instructor in Sociology*  
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- Carole F. Chase, 1976, *Associate Professor of Religion; Chair, Department of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
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B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A., Ph.D., The George Washington University; Duke University
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 B.A., M.A., West Virginia University; M.Div., Yale University Divinity School
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 B.A., M.A., Ph.D., University of North Carolina at Greensboro
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 B.A., M.Ed., University of North Carolina at Greensboro
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 B.S., Ohio State University; M.B.A., University of North Carolina at Chapel Hill
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 B.S.Ed., University of Virginia; M.Div., Union Theological Seminary, New York; Th.M., Duke University
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 A.B., Elon College; M.A., University of North Carolina
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 B.A., M.A., Ph.D., University of Colorado
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 B.A., University of North Carolina; M.B.A., Ed.D., University of North Carolina at Greensboro
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 B.S., Livingstone College; M.S., Ph.D., University of Wisconsin
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 B.A., University of Richmond; M.A., Ph.D., Columbia University
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 A.B., Elon College; B.D., Union Theological Seminary, Virginia; S.T.M. New York Theological Seminary; D.Min., Columbia Theological Seminary
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 A.B., Elon College; M.A., Lynchburg College
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 B.S., University of Maryland, College Park; B.S., University of Maryland, Baltimore; D.A. Candidate, Catholic University of America; M.T., ASCP

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 B.S., Campbell College; M.S., University of Evansville
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 B.S., Elon College; M.A., East Tennessee State University
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 Juilliard School of Music
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 A.B., Birmingham-Southern College; M.Div., Ph.D., Emory University
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 B.S., Atlantic Christian College; M.Ed., University of North Carolina
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 B.A., SUNY at Albany; M.A., University of Rochester; M.A., Ph.D., Middlebury College
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 B.A., Hartwick College, New York; M.A., University of New Hampshire; M.F.A., Rochester Institute of Technology
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 A.B., Elon College; M.S., Graduate Studies, University of North Carolina
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 B.S., M.A., Western Carolina University
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 B.S., Osmania University; M.S., Ph.D., North Carolina State University
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 B.A., Wake Forest University; M.A.T., Duke University

- William G. Rich, 1977, *Professor of Religion; Director of General Studies; Director of Studies Abroad, Associate Dean of Academics Affairs*  
B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
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David L. Bodle, B.S., M.Ed., *Head Track Coach, Assistant Football Coach*  
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 Jeanne F. Williams, B.S., M.S., *Associate Professor of Statistics and Mathematics*

## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Biomedical Reference Laboratory Program.* Established to support the Medical Technology Program.

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Morning Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

*Dofflemeyer Fund.* Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemeyer by their children.

*Elon College Community Orchestra Endowment Fund.* Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

*George Joseph Fertig Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson-Pilot Professorship.* This fund was established by the Jefferson-Pilot Corporation, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.



*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

*Literature, Languages and Communications Endowment.* Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

*The Martha and Spencer Love School of Business Fund.* Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

*Iris Holt McEwen Community Service Award.* Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary, III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*NCNB Corporation Endowment for Field Studies.* To provide resources for students enrolled in the Martha and Spencer Love School of Business to travel off campus to gain hands-on experience in the business world.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York.

*Maude Sharpe Powell Professorship.* Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

*The Thomas Edward Powell, Jr. Professorship of Biology.* Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Ferris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*George Shackley Award.* Established by Mr. Shackley by bequest, for most improved piano student; organ student.

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

*Drusilla Dofflemyer Voorhees Fund.* Created in honor of Drusilla Dofflemyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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# ELON COLLEGE



Office of Admissions and Financial Planning  
Elon College, North Carolina 27244-2010

# ELON

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ACADEMIC CATALOG





# ELON COLLEGE

## 1989-90

Elon College / North Carolina 27244  
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# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

## **President**

- General Information

## **Vice President for Academic and Student Affairs**

- Academic and student affairs policy
- Long-range plans

## **Dean of Academic Affairs**

- Academic program
- Academic work of students in college
- Faculty position
- Special programs

## **Dean of Admissions and Financial Planning**

- Admissions
- Requests for applications, catalogs or bulletins
- Scholarships, student loans, and student employment

## **Dean of Student Affairs**

- Housing
- Student Affairs

## **Vice President for Administrative Services**

- Payment of student accounts
- Inquiries concerning expenses

## **Vice President for Development**

- Public relations
- Contributions, gifts or bequests
- Estate planning

## **Director of Placement**

- Career options for students
- Employment of seniors and alumni

## **Registrar**

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

## **Director of Alumni and Parent Relations**

- Alumni affairs
- Parent relations

## **Director of Academic Advising**

- Course Scheduling
- Academic Counseling

# CALENDAR

## Fall Semester 1989

August 27 (Sunday)	Orientation
August 28 (Monday)	Orientation; Evening School Registration
August 29 (Tuesday)	Registration
August 30 (Wednesday)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
August 31 (Thursday)	Day Classes Begin
September 5 (Tuesday)	Last Day for Late Registration
October 12 (Thursday)	Last Day for Dropping Course with "WP"
October 13 (Friday)	Fall Break Begins at 1:15 p.m.; Mid-Semester Reports Due
October 18 (Wednesday)	Fall Break Ends at 8:00 a.m.
October 30 (Monday)	Last Day to Remove Incomplete ("I") & ("NR") Grades
November 8 (Wednesday)	Preregistration Begins for Winter Term and Spring Semester 1990
November 22 (Wednesday)	Thanksgiving Holiday Begins at 1:15 p.m.
November 27 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 6 (Wednesday)	Classes End
December 7-12 (Thurs-Tues)	Examinations

## Winter Term 1990

January 2 (Tuesday)	Registration
January 3 (Wednesday)	Classes Begin
January 4 (Thursday)	Last Day for Late Registration
January 24 (Wednesday)	Examinations

## Spring Semester 1990

January 30 (Tuesday)	Registration
January 31 (Wednesday)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
February 1 (Thursday)	Day Classes Begin
February 6 (Tuesday)	Last Day for Late Registration
March 15 (Thursday)	Last Day for Dropping Classes with "WP"
March 16 (Friday)	Mid-Semester Reports Due
March 16 (Friday)	Spring Vacation Begins at 1:15 p.m.
March 26 (Monday)	Spring Vacation Ends at 8:00 a.m.
April 5 (Thursday)	Last Day to Remove Incomplete ("I") & ("NR") Grades
April 9 (Monday)	Preregistration Begins for Summer School and Fall Semester 1990
May 9 (Wednesday)	Classes End
May 10-15 (Thurs-Tues)	Examinations
May 19 (Saturday)	Commencement; Last Day of School

## Summer School 1990

First Term: June 4-July 6 (July 4 Holiday)  
 Second Term: July 10-August 10





# INTRODUCTION TO ELON

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. “Elon” is the Hebrew name for “oak,” and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon’s 3,150 undergraduate and 150 graduate students come from 36 states and 13 foreign countries. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon’s faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

## Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

## History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

## The Mission of Elon College

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college careers.
5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.
6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.
7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.
8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.
9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.
10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

## Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees. The College is a member of the following associations:

The American Council of Education  
The Association of American Colleges  
The American Association of University Women  
The North Carolina Association of Colleges and Universities  
The North Carolina Association of Independent Colleges and Universities  
Independent College Fund of North Carolina  
The Council for Higher Education of the United Church of Christ  
National Commission on Accrediting

## Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including six fraternity/sorority houses on north campus in 1989, six apartment complexes on east campus in 1989, a new fine arts center in 1987, four residence halls in 1982 and 1984, and a new fountain, plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve residence halls have been constructed since 1956. Completed in 1970 were an office-classroom building and a physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 2,100.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.



*Bakatsias Soccer Field*, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

*John W. Barney Hall* houses 54 students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building* was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses classrooms, faculty offices, publication facilities, and the Academic Computer Center.

*Carolina Hall*, erected in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 students. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building. Classroom and laboratory space underwent extensive renovation in 1988.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*East Campus Apartments*, completed in 1989, consist of six buildings each housing thirty-two students. Reserved for upper classmen, the facility offers an alternative to traditional residence hall accommodations.

*The R. N. Ellington Health Center* provides health services for students and includes multiple examination rooms and offices for the professional staff.

*The Fine Arts Center*, was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

*Fraternities and Sororities* are housed in several residences owned by the

College, in residence halls suites, and in a fraternity/sorority court of six buildings completed in 1989.

*Holland House* is the former residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons. The facility currently houses administrative offices.

*A.L. Hook Hall*, housing 40 students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*LaRose Resources Center* was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audiovisual and computer equipment, as well as cable and satellite TV services.

*Lawrence House*, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

*The Lodge* was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*Maynard House* is the residence of the College president. It is located a short distance from campus. The home was bequeathed to the College through the estate of Reid and Grace Maynard in 1988.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The

first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 160,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

*The Spence Collection*, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.

*Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Hall*, located near the Harper Center, houses men students.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*The Jimmy Powell Tennis Center*, a 12-court, championship tennis complex, was built in 1988 and is one of the finest small-college tennis complexes in the nation.

*Power Plant* provides heat for the entire College.

*Rudd Field*, a multipurpose athletic field named for Clyde Rudd Sr., class of '37, is used for football, softball and intramural activities.

*Sloan Hall*, a three-story brick structure housing 129 students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall*, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 200 students and Moffitt Hall 100 students. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, The Back Door (a non-alcoholic pub), and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents

of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 129 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Eighty-one students are housed on the second and third floors.

*Whitley Memorial Auditorium* has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

*Names associated with Elon College buildings, rooms, and other facilities are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.*

### **Visitor Information**

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

### **Travel Information**

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.



# ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

## Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts and Bachelor of Science.

*The Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. *The Master of Education* program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

*The Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Communications (Broadcast and Corporate), Computer Science, Economics, Education (Elementary—Early Childhood, Intermediate, Middle Grades; Secondary—various subject areas), English, Foreign Languages, General Music, History, Human Services, Journalism, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

*The Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance and Marketing), Computer Information Systems, Medical Technology, Music Education, Physical Education, Health Education and Leisure/Sports Management.

## Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, Education, Special Education, English, French, German, Geography, Gerontology, History, American History, European History, Human Services, Journalism/Communications, Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Religion, Sociology, Spanish, Sports Medicine, and Women's Studies.

## General Studies

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end,

the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

## **The Martha and Spencer Love School of Business**

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing and finance), and a graduate degree in business administration (M.B.A.).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Courses of Instruction.

## **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

## **Career Services**

The following Career Services Programs are available to help students plan their future, explore careers, and become adept at finding employment:

### *Career Planning*

The Director of Career Planning, through personal counseling and assess-

ment, assists students with their choice of a college major and career. Resources include a one-credit class (COE 110) to assist students in selecting a major; the LifeSkills Transcript Program that encourages and documents leadership development; and graduate school application materials.

### *Experiential Education (Internships or Co-ops)*

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice, and to examine future job possibilities. In each learning experience, the student's academic or career related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full or part time, and paid or unpaid. Most departments offer internship credits. Co-ops offer pay, may be full or part time, may be repeated, and count toward elective credit. The class, COE 310 "Securing A Job" is required of co-op students.

Eligibility Requirements: Junior or Senior standing  
2.5 minimum GPA  
Completion of departmental prerequisites  
Approval of Faculty Sponsor/Exp. Ed Dir.

### *Placement Services*

Placement Services assist students who have identified their career direction and who are finalizing their career search. Services for upperclass and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual counseling, job vacancy lists, a credentials file with options for inclusion of academic and LifeSkills transcripts, and workshops on resume writing, job interviewing, and other special career topics. Additional resources and programs include occupational and employer information, career fairs, and an alumni career resource bank.

## **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Communications, Human Services, Public Administration, Computer Science, Computer Information Systems and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

## **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either

at the graduate or undergraduate level, that is based on a liberal arts education.

### **Pre-engineering**

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing Elon's program are given preferential consideration for transfer to any of these engineering schools.

### **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

### **Preministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.



## Special Academic Programs

Elon College offers various programs for those people with special needs and qualifications.

### Honors Program

The Honors program assists academically superior students who want to attain greater breadth and depth in the General Education part of their studies. Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student. Honors students are provided with special courses taught by innovative faculty. Class size is generally limited to twenty. Since the program is college-wide in scope, most Honors courses will be taken in disciplines differing from one's major. Recent changes give increased emphasis to discovering one's values, to developing critical thinking skills, to enhancing communication abilities, to pursuing current issues and to understanding the interrelatedness of the varied academic disciplines.

Besides the curriculum described below, other features of the program include early pre-registration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers and artists. Honors graduates often pursue further study or graduate training.

To receive Honors Program recognition at graduation a student must complete a minimum of six Honors experiences as listed below, and achieve a 3.00 grade point average overall and in all Honors courses taken.

### The Freshman Year

The following two experiences are required:

Honors I — Appreciative Understanding: Claiming One's Heritage

This experience will focus on clarifying one's values and understanding them in light of alternatives.

Honors II — Critical Assessment: Acting in the Institutional World

This experience will focus on critically appraising values which are expressed in persuasive action.

### The Middle Years

A student must take a minimum of two experiences out of Category I. Also, an elective is required out of Category I, II, or III. It is highly desirable for the elective to come from Category II.

- I. A. Contemporary issues courses — Focus will be on how resources from different areas can effect social change.
- B. Interdisciplinary courses — Methodology will emphasize interconnections between different fields or disciplines of study.
- II. Alternative experiences.
  - A. An academic experience in a different country fall or spring semester.
  - B. An academic experience involving work in the form of

service to others.

- C. An academic experience where one assumes leadership. This may be accomplished through an internship or an apprenticeship which has a mentoring dimension.

### III. Honors elective courses.

#### **The Senior Year**

A research experience is required which culminates in the presentation of a semester paper or project.

Highly qualified non-freshmen who are admitted to the Honors program must accumulate six experiences out of middle and senior year courses.

#### **Transitional Program**

Assists students in understanding the basic concepts of reading, mathematics and communication skills.

Gives small group instruction.

Offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

#### **Writing Program**

Elon College has both a campus Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the College's academic program.

#### **Elon 101**

Elon 101 is a specially designed course/program that introduces first semester students to college life. The course is taught by the student's academic advisor and is generally limited in size to fifteen. The course meets weekly during the first semester and grants 1 semester hour of general college credit.

#### **High School Credit Bank Programs**

Makes it possible for the student to have earned college credit prior to college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

#### **Military**

##### **ROTC**

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

*Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Transfers work completed at other accredited post-secondary institutions.  
Accepts service experience for physical education requirements.

**Leadership Program**

The Leadership Program provides students with opportunities to study and practice leadership. Participants will enroll in leadership courses, will lead off campus service projects through the Volunteer Program, will actively lead on campus through campus organizations and mentoring experiences, and will participate in studies abroad and internship opportunities. The program strives to foster leadership for students during the college years that can be extended to the future workplace and living community.

**LifeSkills Transcript Program**

The LifeSkills Program provides a co-curricular transcript for enhancing job and graduate school opportunities. This transcript documents activities in clubs, community service, leadership, co-ops, internships, international study/travel, and other experiences during the College career.

**North Carolina Teaching Fellows Program**

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only thirteen institutions throughout the state. The Teaching Fellows experience takes place in the context of Elon's highly successful teacher education program. Students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process. The Teaching Fellows experience at Elon is a four-year program including:

1. Specially designed leadership courses
2. Internships
3. Study/travel to major U.S. metropolitan areas
4. A semester of study in London
5. Special field trip, lecture series
6. Capstone seminar examining local, state and national issues and their effect on education
7. Development of LifeSkills Transcript

**Study Abroad**

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements can be met. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Fall and spring breaks permit extensive European travel.

During the winter term the College offers a study-travel opportunity to England. This program allows students to spend approximately a month housed in London but with numerous excursions to historical and cultural sites in Great Britain. The College also offers other study-travel programs the site of which may vary from year to year. Most recently, students have lived on the Texas-Mexico border and participated in a work project in Mexico. Others have spent the Winter Term in Costa Rica studying the language as well as the political/cultural environment. All programs offer a wide range of course credit.

Summer terms provide still other study abroad possibilities. The College offers language study in Spain through the University of Salamanca and a study-tour through Russia, Mongolia, and China. Summer programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school.

## **Academic Support Services**

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as pre-law, pre-med and pre-engineering.

Closely associated with the Academic Advising Center is the Career Planning service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

### **LaRose Resources Center**

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided



include tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

### **Library**

The McEwen Library contains a well-rounded collection of more than 160,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

### **Computer Facilities**

The Academic Computer Center is located in Carlton Building along with a VAX 8350 that serves as the host for all academic computing. Microcomputer stations linked to the VAX are housed in Alamance Building, Mooney Building, Powell Building, Duke Building, Whitley Building and Carlton Building.

# STUDENT LIFE

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, campus organizations, Greek organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

## Student Personnel Service

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each campus area there is an Area Director. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and addressing problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

*Health Service.* The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physician. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

**All students must present evidence that they are covered by health insurance.** An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and

residence halls locked no later than 12 noon on the day following the last night of exams. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Campus Activities.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, travel groups, special theme parties, concerts, intramurals, and other social activities.

## **Student Government**

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

## **Judicial System**

This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen. It is intended to be both one of justice and of education for students.

## Religious Life

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

## Community Service

Students have the opportunity to participate in numerous service-learning opportunities. "Elon Volunteers!" is a student-run program housed in the Chaplain's Office that is a clearinghouse and referral service for students who want to work with community agencies like the homeless shelter, the adult literacy campaign, Meals on Wheels, or with Elon College's campus chapter of Habitat for Humanity.

## Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in the Fine Arts Center, by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

## Honor Societies

*Alpha Chi.* Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.



*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community.

*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

## Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

*Departmental* - American Chemical Society, American Marketing Association, Business Students Communications Committee, Mathematics and Computer Science Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Human Services Club, Alpha Kappa Psi (Business).

*Greek* - There are 15 social fraternities and sororities at Elon. Fraternities include Alpha Kappa Lambda, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Chi, Sigma Pi, and Pi Kappa Phi; Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, Alpha Omicron Pi, and Alpha Kappa Alpha.

*Music and Fine Arts* - Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, Drama Club, College-Community Orchestra, Elon College Gospel Choir, and the Construction Company (Dance).

*Religious* - Christian Student Union, Fellowship of Christian Athletes, Intersarsity Christian Fellowship, Newman Society, Discover Fellowship.

*Service* - Civinettes, Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega, and Habitat for Humanity Elon College Chapter.

*Sports* - Comprehensive intramural program, Lacrosse Club, Outing Society, and Ski Club.

*Others* - Commuter Student Organization, class organizations, Black Cultural Society, College Republicans, GENTS, Young Democrats, Interna-

tional Students Association, Resources for Non-traditional Elon Women (ReNew), Intellectual Competition Society, Students for Peace and Justice, Student Government Association, Student Union Board, Pershing Rifles, Liberal Arts Forum, Lyceum Committee.

### **Communications Media**

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

### **Who's Who**

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

### **Athletics**

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

*Intercollegiate.* A member of the South Atlantic Conference and the National Association of Intercollegiate Athletics, Elon has teams which compete with other colleges in football, basketball, baseball, tennis, golf, track, soccer, women's volleyball, women's basketball, women's softball, women's soccer, and women's tennis. Lacrosse is played as a club sport.

### **Traditional Events**

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

*Spring Fling.* A weekend of activities which includes student competitions, concerts, and other programs.

# Admissions, Finances, and Financial Aid

## Admissions Procedures

Elon College operates on a modified rolling admission plan.

Students whose applications are completed	Will be notified by:
by November 20	December 15
by December 30	January 15
by February 15	March 1
after February 15	June 15

Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$20 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English	4 units
Science	1 unit
History	1 unit
One Foreign Language	2 units
Math	2 units
(Algebra I & II or Algebra I & Geometry)	

## Early Decision Plan

The Early Decision Plan at Elon College is available to well-qualified high school students who at the close of their junior year decide that their first choice college is Elon. The Early Decision agreement is required with the application.

Application can be filed anytime after completion of the junior year, but must be completed not later than November 1 of the senior year. It must include the application, the high school record, and scores on the Scholastic Aptitude Tests. Decisions are based upon junior year grades and test scores; SATs taken in the fall of the senior year cannot be considered for Early Decision. Students chosen under the Early Decision plan will have the following advantages: (1) an early financial aid estimate, (2) early registration, and (3) priority housing.

Students accepted under Early Decision must submit a non-refundable \$200 deposit by December 15 to reserve a place in the class and withdraw



application(s) from all other colleges at that time. Those not admitted by Early Decision will be reviewed in the regular application process and senior information will be considered.

## Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

## Special Students

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.

2. *Persons 21 years of age or older who are not high school graduates or candidates for a degree but wish to take class work.* Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.

3. *College graduates* who are interested in further study at the College. Such applicants are admitted if they fulfill the requirements for admission to the desired courses.

4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.

## Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: Art, Biology, Chemistry, Computer Science, English, French, German, History, Mathematics, Music, Physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

### **College-Level Examination Program (CLEP)**

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics, and Business. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$110.00.

### **Transfer Credit**

Elon offers credit for courses taken through college parallel programs at accredited junior colleges or community colleges, and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course by course basis after the student has been accepted for admission.

Credit is given for college-level courses which parallel courses at Elon. However, no credit is allowed for a course with a grade report below that of "C." Credit will not be given for classes taken while a student is under academic suspension. No more than 65 semester hours of credit will be allowed from two-year institutions.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements must be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.

## Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. Work from other accredited post-secondary institutions may be accepted.
3. Service experience may be accepted for physical education and health requirements.

## Acceptance and Room Reservation Fees

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

## General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean of students are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

*Book Expenses.* The estimated cost of textbooks is \$400 for the academic year, of which \$200 is needed for purchases from the campus bookstore at the opening of fall semester.

*Costs Covered by Tuition.* Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, post office box for college housing, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

**Expenses for the 1989-90 Academic Year**

**Full-Time Enrollment/Day Students\* (12-18 hours)**

	Fall Semester	Winter Term**	Spring Semester
Tuition . . . . .	\$3,050	\$110/hr	\$3,050
Room . . . . .	700	180	700
Board*** (Winter Term billed with Fall Semester)			
7 day plan . . . . .	970	190	780
5 day plan (not available to freshmen) . . . . .	865	170	695
Student Government . . . . .	35		35
Overload (more than 18 semester hours) . . . . .	110/hour		110/hour
Caution/Damage Deposit (refundable, applies to residence hall students only) . . . . .	100		

\*Students enrolled for only 10 or 11 hours in fall or spring will be charged for the full semester's tuition.

\*\*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term. (Tuition, Room)

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

**Part-Time Enrollment/Day Students**

Tuition for day or evening course (no more than 9 hours  
per semester) . . . . . \$110/hour

**Evening School**

Undergraduate Programs  
Tuition . . . . . \$110/hour



In order to be eligible for this special rate for more than 9 hours in fall or spring students must (1) have earned a high school diploma or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions.

#### Graduate Programs

M.B.A. Tuition.....	\$150/hour
M.Ed. Tuition.....	110/hour

#### Summer School 1990

Tuition per semester hour.....	\$110
College enrollment fee including SGA of \$1.....	10
Room (\$175) and Board (\$335) per summer term .....	510
Auditing per course.....	75
Special fee for applied music lessons	
One semester hour credit or audit.....	150
Two semester hours credit or audit.....	300
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	

#### Special/Optional Fees (No Refunds)

Applied music lessons:	
Each one semester hour credit or audit for non-music majors...	\$110
Each one semester hour credit or audit for music majors taking second or additional lessons.....	110
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	
Auditing per course.....	80

#### Graduation Fees

Bachelor's Degree.....	\$33
Master's Degree.....	35

#### Miscellaneous

Late registration/Re-enrollment during term.....	\$25
Late Payment.....	25
Drop/Add course after classes begin.....	10
Transcripts.....	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing).....	100
Examination for course credit.....	110
Automobile registration	
Resident students.....	20
Commuter students.....	15
Replace I.D. Card.....	10
Replace Meal ticket.....	10
Returned check fine.....	20

A student's grades or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

## **Refunds**

### **Academic Year — Fall and Spring Semester**

Tuition, fees, room and board charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 20%
- 2nd week pro rata charge 40%
- 3rd week pro rata charge 60%
- 4th week pro rata charge 80%
- 5th week - No refund

Upon withdrawal, Meal Ticket refunds are pro-rated.

### **Notice of Withdrawal**

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

### **Winter Term and Summer School**

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

## **Payment Plans**

Payment plans through outside agencies and directly through the College are made available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

## **Financial Aid**

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of College, state, or federal aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds

(except Pell Grant—see Pell Grant information below)) is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid “package” for an individual student may consist of a combination of (I) need-based aid (grants, loans, work) as well as (II) non-need aid and (III) payment options. Each type of aid available at Elon is described below.

**I. Need-Based Aid:** awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

**A. Types of Need-Based Aid**

**1. Grants:** money which does not have to be repaid.

**a. Federal Grants**

1) *Pell Grant:* Applicants receive a Student Aid Report (SAR) which they submit to the Financial Planning Office. Grant eligibility is determined on the basis of the SAR and students' course load (must enroll for a minimum of 6 hours per semester).

2) *Supplemental Educational Opportunity Program (SEOG):* awarded by the College from federal funds to students demonstrating high need.

**b. State Grants**

1) *North Carolina Contractual Scholarship Fund:* state funds awarded by the College to North Carolina students who qualify on the basis of need.

2) *North Carolina Student Incentive Grant:* state funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

**c. Institutional Grants:** students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

**2. Loans:** long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

**a. Perkins National Direct Student Loans (Perkins NDSL):** awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

**b. Guaranteed Student Loan/Federal Insured Student Loan (GSL/FISL):** funds from private lenders (banks, credit unions), who receive a federal guarantee against borrower default. Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures,

below). It is generally necessary for applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8% in the first four years, which then increases to 10%.

3. College Work-Study Program (CWSP): federal funds awarded by the College to eligible applicants, who then work on-campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 25% of students' wages.

*B. Application Procedures for Need-Based Aid*

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Submit a signed copy of student's/parents' tax return for the prior year to the Financial Planning Office.
3. Complete the Elon Aid Application.
4. Respond to any requests for additional documentation.

*Note:* Priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by May 1 prior to the academic year for which aid is requested.

**II. Non-Need Aid:** funds awarded to students on the basis of special characteristics, merit, or achievement.

*A. Grants/Scholarships:* money which does not have to be repaid.

1. North Carolina Legislative Tuition Grant: grant to all full-time undergraduate students who are legal residents of this state. In 1986-87, the grant was \$1000 (\$500 per semester). A brief application must be completed at Registration.
2. Private Scholarships: funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.
3. Military: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.
4. North Carolina Teaching Fellows: N.C. high school seniors may apply through their school for the Teaching Fellows program. Those selected by the Teaching Fellows Commission may enroll at Elon at no cost: the program covers tuition, fees, room, and board. Special programs are offered throughout the 4 years, including a semester abroad. For more information, contact your high school guidance counselor.
5. North Carolina Programs: the state offers a number of scholarship and loan programs for students enrolled in specific educational programs (Education, Health) or who have interest or involvement in



4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.

#### 6. Institutional Awards

- a. Academic Scholarships: applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.
- b. Leadership Fellows: applicants for admission to the College who qualify for this award are nominated and invited to apply for scholarship competition.
- c. Performance Awards: funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.

*B. Non-Need Loans:* long-term loans available to assist in financing educational expenses, based upon credit-worthiness rather than "need."

1. Parent Loans for Undergraduate Students (PLUS): parents may borrow up to \$4000 per academic year through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and payment of interest begins immediately. Repayment of the principal may be deferred while the student is enrolled. Applications are available from the lender.

2. Supplemental Loans for Students (SLS): independent students and graduate students may borrow up to \$4000 per academic year through a private lender. Interest rate is variable. Repayment of principle may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender. Applicants must also file the FAF.

3. TERI Loans: loans through private lenders for \$2000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.

4. Private Loans: funds through the student's/parents' own resources: financial institutions, employer, or family.

*C. Employment:* on and off campus.

1. Institutional Work-Study Program (IWSP): available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Financial Planning Office.

2. Off-Campus Employment: opportunities for part-time work in the near-by community and summer jobs are available through Career Services.

### III. Payment Options

1. VISA/Mastercard: Elon College accepts these charge cards for payment of tuition and fees.
2. Ten-Month Payment Plan: charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from May 15 through February 15.

### Elon College Endowed Scholarships

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

*Aetna Life and Casualty Scholarships.* Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

*Edward M. Albright Scholarship.* Established by his wife, the late Olivia White Albright.

*Simeon Lee Allen Scholarship.* Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.

*Band Scholarships.* Awarded on a limited basis to students who are talented musicians and participate in band activities.

*John W. Barney Memorial Scholarship.* Established by colleagues, former students, and friends.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

*R. H. Barringer Distributing Co., Inc. Tennis Scholarship.* Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.

*Robert C. Baxter Scholarship.* For worthy students.

*Frederick Wharton Beazley Scholarship.* Established by The Beazley Foun-

dation in memory of Mr. Beazley, businessman and philanthropist, income from this Leadership Scholars fund will be given with first preference to Tidewater area Virginia students.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish-speaking people.

*Carol Grotnes Belk Scholarship.* Established by Irwin Belk in honor of his wife, income from this fund provides scholarships to worthy students.

*Jennie Willis Atkinson Bradford Scholarship.* For a worthy student in the Department of Fine Arts.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Richie E. and Agnes R. Brittle Scholarship.* Created by Hunterdale United Church of Christ, Franklin, Virginia.

*Trudie Kimrey Bueschel Christian Education Scholarship.* Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags Scholarship.* Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

*William E. "Buster" and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R., Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Awarded annually alternating between a women's basketball player and a student working in the college's Sports Information Office.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Pauline Nina Taylor Cammack Memorial Scholarship.* Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Dr. George L. Carrington Scholarship.* Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

*Caswell-Alamance Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Z. Vance and Philip Vance Cates Scholarship.* Given by Gordon Pannill

Hurley, Jr. and James Franklin Hurley, IV, in memory of their grandfather, Z. Vance Cates, and their uncle, Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship.* Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*Class of 1938 Centennial Scholarship.* Earnings from this fund, established by members of the Class of 1938, provide scholarships for deserving students.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, Class of 1924.

*Carl and Betty Coley Scholarship.* For worthy students.

*Comer Golf Fund.* Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*Billy Crocker Jazz Scholarship.* To a member of the Emanons selected by a vote of members and directors of the Emanons.

*Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*J. E. Danieley Scholarship.* Established by Mr. and Mrs. Chester W. Burgess, III, in honor of the sixth president of the College, income from this fund provides scholarships for worthy students based on need and acceptable academic standing.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*T. B. Dawson Scholarship.* Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

*Dwight L. Dillon Athletic Scholarship Award.* Established in 1989 by the family of Dwight L. Dillon, an Elon alumnus from Bassett, Va., to provide scholarship assistance to a football or golf student athlete with a preference given to an athlete in the Martinsville-Henry County area of Virginia.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Dewey Hobson Dofflemeyer Scholarship.* Established by his wife, Annie Onley Dofflemeyer.



*William H. and Kathryn M. Duncan Scholarship.* For deserving students who are legally blind or who have impaired vision.

*Eastern North Carolina Ministers Memorial Scholarship.* Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Thad Eure Scholarships.* Honoring former N.C. Secretary of State and Elon Board Chairman Thad Eure, this fund provides scholarships to deserving students.

*Clyde Lee Fields and Bertie S. Fields Memorial Scholarship.* Established by friends, associates and family in memory of Dr. Clyde L. Fields, Class of 1949, clergyman and community leader, and in honor of Mrs. Bertie S. Fields, to be awarded to deserving students.

*First Christian Church, Portsmouth, Virginia, Memorial Scholarship.* Established in 1965 by the Women's Fellowship and others of the First Christian Church.

*Mary Ruth and Archibale F. Fleming, Jr. Scholarship.* For tuition and fees of one or more students.

*A.J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*H. Terry and Nonnie B. Floyd Scholarship.* Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

*Lacy R. Fogleman Scholarship of St. Mark's Reformed Church.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing pre-ministerial or Christian Education studies.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

*Charles A. Frueauff Foundation Scholarship.* For academically talented students.

*John L. Frye Scholarship.* For deserving students, with preference given to football participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Glen Raven Mills Educational Award.* For worthy students, preferably Glen Raven Mills employees or members of employees' families.

*Mills E. and Katherine B. Godwin Scholarship.* For worthy students in need of assistance and from the Hampton Roads area of Virginia.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

*Jewell Presnell and Carl C. Hall Memorial Scholarship.* Established through Mr. Hall's estate, for deserving students.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon College Home for Children.

*E.E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

*Don S. and Margaret M. Holt Scholarship.* Established through Mrs. Holt's estate, to provide scholarship for students in Love School of Business.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students. Special consideration should be given to students who plan to take a course in physical science.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

*Edward F. Iseley Athletic Scholarship.* Awarded to deserving Alamance County student athletes.

*Archie and Adelaide Israel Scholarship.* For deserving students.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

*Mr. and Mrs. Burney Jennings Scholarship.* Established by the Jennings to benefit a student attending Elon.

*Jephson Educational Trust Scholarships.* Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

*Virginia Somers Jones Scholarship.* For deserving students.

*John M. Jordan Scholarship.* For a deserving student from Alamance County, preferably with a foster home background.

*Juanita Wheeler Keeton Scholarship.* Established in memory of Ms. Keeton, for non-athletes with financial need.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Lecy Martin Kernodle Scholarship.* This bequest provides aid for Alamance County students majoring in education.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For a student from Alamance County with an outstanding academic record.

*Lee County Scholarship.* For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

*Lester Scholarship.* Established by Fletcher C. Lester for ministerial students, students preparing for full-time Christian service, or worthy UCC students from N.C. or Virginia.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.

*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*Mills and Mary Alice Luter Scholarship.* For a deserving student preferably from the Elon Home for Children.

*Zebulon and Alma Lynch Scholarship.* Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students preferably from Lynnhaven Colony Church.

*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

*Winona Morris Madren Scholarship.* For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

*C. Almon (Mon) McIver Centennial Scholarship.* Established by Dalton McMichael in honor of Mr. McIver, Class of 1936, income from this fund is for students with demonstrated leadership ability and high academic standing.

*William L. and Beulah McNeill Maness Scholarship.* Established by the Rev. Mr. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

*William Raymond Massey Scholarship.* Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

*Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes alternating between basketball, football and baseball.

*John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*McCrary Scholarship.* Established by Iris and John McCrary for academically talented students who have financial need.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Vivian Wrenn Pell Scholarship.* Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

*Wayne H. and Mable B. Perrine Memorial Scholarship.* For worthy students who have special talent in the performing arts.

*Donald W. and Shirley M. Perry Scholarship.* For deserving students from Alamance County.

*L. J. "Hap" Perry Athletic Scholarship.* Established by his sons, preferably for a student from Reidsville Senior High who participates in a sport at Elon.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

*Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon.

*O.D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*The Rev. Lacy M. Presnell, Sr. Memorial Scholarship.* Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.

*Presser Scholarship.* Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become



teachers of music.

*Emmett H. and Katherine H. Rawles Scholarship.* For academically talented students.

*Japheth E., Jr., and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond, Va., area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.

*Viola V. and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings for needy students.

*Arthur H. and Trudy B. Rogers Scholarship.* Established by the Rogers to assist a deserving student, preferably from Alamance or Stanley Counties.

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*St. Mark's Reformed Church Scholarship.* For deserving students, with first preference to students from St. Mark's Reformed Church.

*Sanders-Myers Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

*Tom Sawyer-Huck Finn Tennis Scholarship.* For deserving men and women who are members of the Elon College Tennis teams.

*Renold O. Schilke Trumpet Scholarship.* Awarded to selected band students who are interested in playing the trumpet.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*Zondal Myers Sechrest Scholarship.* For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford counties.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia, preferably for one or more students from the Tidewater, Virginia, area pursuing full-time Christian vocations.

*Bertha Paschall Shipp Scholarship.* Established by Bertha Shipp by bequest for deserving students as determined by the college scholarship committee.

*John L. Sills, Jr. Scholarship.* Funded by Riverview Narrow Fabrics, this fund is awarded each year to a rising junior accounting major and may be renewed the senior year.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. For worthy students.

*Oscar F. Smith Scholarship.* Established by bequest from Oscar Frommel Smith, trustee. For scholarship assistance to students preferably from Eastern

Virginia.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Inc., Scholarship.* To provide scholarship aid to a deserving student.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

*Sigmund Sternberger Scholarships.* Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

*Alda June Stevens Memorial Scholarship.* For worthy students, preferably those preparing for full-time Christian service.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Suffolk Christian Church Scholarship.* Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Virginia area.

*Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships.* Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, New Jersey.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

*William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*Lillian Pearl Tuck Endowment.* Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

*Wallace Lincoln Tuck Scholarship.* For needy students.

*Arline Lindsay Tweed Scholarship.* Established by Mrs. Arline Lindsay Tweed to aid qualified students.

*Union United Church of Christ Scholarship.* For a deserving student or

students from the Union United Church of Christ, Virgilina, Virginia.

*Velie Memorial Music Scholarship.* Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

*Thyra Wright Vestal Scholarship.* Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

*Robert Ronald Wagner Memorial Scholarship.* Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

*Wake Chapel Christian Church Scholarship.* For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

*Catherine N. Walker Scholarship.* Established in honor of Mrs. Walker by her son, Zac. T. Walker, III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students, for scholarships alternating between football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

*Clyde T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

*William I. Ward, Sr., and David Samuel Ward Scholarship.* Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

*Watterson-Troxler History Scholarship.* Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

*Colonel Henry E. White Scholarship.* For deserving students.

*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White, for an outstanding student, preferably from Vance County, North Carolina

*Nellie Glenn White Scholarship.* For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.

*C. Carl Woods Scholarship Award.* Established in 1986 by C. Carl Woods, an Elon alumnus from Durham, N.C., to provide scholarship assistance to a deserving student athlete in the sports of football or basketball.

*Youth's Friends Scholarships.* Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

## Loan Funds

*Amick Fund.* Dr. T.C. Amick, formerly of the College Faculty, created a fund to be loaned to deserving students at six percent interest.

*Stein H. and Pearl M. Basnight Loan.* A bequest from the estate of Stein H. Basnight. For United Church of Christ students preparing to enter the ministry. Loaned at a rate of six percent interest. If the student enters the Christian ministry, the interest is forgiven.

*James E. and Mary Z. Bryan Foundation Student Loan.* Established by Mary Z. Bryan as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh, North Carolina. Students may borrow up to \$1000 per academic year. Four percent interest accrues while student is in school and increases to six percent after student ceases to be enrolled as a full-time student.

*Burlington Elks Scholarship Loan Fund.* Lodge #1433. For students who are residents of Alamance County.

*Dr. J.A. Clarke Fund.* The money is loaned at six percent interest.

*Maggie B. Dixon Loan Fund.* To assist members of the junior and senior classes.

*Knights Templar Educational Loan Fund.* Under the rules of the Grand Commandery, students at Elon may obtain loans from this fund.

*McLeod Fund.* Loaned to worthy students on proper security.

*Helen Martin Parkerson Loan Fund.* Established by Mrs. Helen Cannon as a memorial to her mother. Loaned to deserving students in Office Administration.

*Verlie I. Smith Student Loan Fund.* For qualified students from North Carolina.

*T.M. Stanback Fund.* Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



# ACADEMIC REGULATIONS

## Undergraduate Degree Requirements

### Degrees and Major Fields

#### Bachelor of Arts (A.B.)

Biology  
Chemistry  
Communications  
(Broadcast and Corporate)  
Computer Science  
Economics  
Education  
Elementary (K-4 and 4-6)  
Middle Grades (6-9)  
Secondary  
English  
Foreign Languages  
General Music  
History

Human Services  
Journalism  
Mathematics  
Music  
Philosophy  
Physics  
Political Science  
Psychology  
Public Administration  
Religion  
Science Education  
Social Science  
Sociology

#### Bachelor of Science (B.S.)

Accounting  
Business Administration  
(Management, Finance and  
Marketing)  
Computer Information Systems

Health Education  
Leisure/Sports Management  
Medical Technology  
Music Education  
Physical Education

For Graduate programs see pages 58-63 and/or the Graduate Catalog.

### Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.

2. Completion of General Studies as follows:

a. Foundational Studies.....	9
(1) English 111, 112 (Freshman English Composition).....	6
(2) Mathematics 111 (or higher).....	3
b. Liberal Studies.....	31
(1) Expression.....	6
Eloquent and creative expression in literature and fine arts. Six hours chosen from art, dance, English, fine arts, music, theatre, at least three hours of which must be English.	
(2) Science (Analysis).....	7
Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.	
(3) Reflection.....	6
Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.	
(4) Civilization.....	6
Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.	
(5) Society.....	6
Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.	
c. Advanced Studies.....	12
In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.	
d. Physical Education 160.....	2

3. Electives

4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

5. Twice as many quality points as credit hours attempted must be earned.

6. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or success-

fully complete English 100 and Mathematics 100 prior to beginning Foundational Studies. Foundational Studies should be completed by the end of the sophomore year.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. (French 101 and 102 or Spanish 101 and 102.) Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

## General Academic Regulations

### Registration and Courses

#### Classification

Classifications are made at the beginning of the college year in September.

Freshman	1-26 semester hours completed
Sophomore	27-59 semester hours completed
Junior	60-92 semester hours completed
Senior	93 and above semester hours completed

#### Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semesters	18 semester hours
Winter Term	4 semester hours
Summer Term	7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

#### Course Registration

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his advisor consider it essential a student should not change his schedule after registration.

#### Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$80 for each course.

#### Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because



of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$110.00.

### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Academic Dean's Office.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade point average is less than 3.00 may not register for overload hours in any term. See previous page on course load.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the major, minor

and general studies requirements on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and general studies requirements in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the College.

## **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

## **Grades and Reports**

### **Grading System and Quality Points**

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade	Quality Points
A Superior	4
B Above average	3
C Average	2
D Below average	1
F Failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory	0
WD Medical Withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No Report	0

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### Grade Point Average

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

### Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

### Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.40 in a minimum of 12 semester hours in any

semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

### **Graduation With Honors**

A student who has completed at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.90 or above are graduated summa cum laude; those with 3.70 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of six Honors experiences and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

### **Student Access to Educational Records**

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

### **Transcripts of Student Records**

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

### **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.



## Academic Standards and Withdrawal

### Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.00 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

*Warning*— Students are notified that their GPA is below 2.00 and that they are expected to show significant improvement in their next semester or term.

*Probation*— Students are notified that their GPA is below 2.00, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress suspension will result.

*Suspension*— Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.00 and at the end of spring semester have a cumulative grade point average as follows:

Freshman	1-26 sem. hrs. completed	1.60
Sophomore	27-59 sem. hrs. completed	1.60
Junior	60-92 sem. hrs. completed	1.80
Senior	93 sem. hrs. completed	2.00

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

### Dismissal

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

### Withdrawal

If a student for any reason concludes that he/she must leave the College on a temporary or long term basis, he/she must confer with the Offices of the Dean of Student Affairs and the Dean of Academic Affairs to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a WP or WF grade. The official record of the student cannot be cleared until the withdrawal is complete.

## Graduate Degree Requirements

### Degrees and Major Fields

Master of Business Administration (M.B.A.)

Master of Education (M.Ed. in Elementary Grades and Middle Grades)

### MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (M.B.A.) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

#### Admissions Policy

The M.B.A. admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

#### Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within last 5 years.
4. Completed application.

#### M.B.A. Degree Requirements

1. Completion of courses specified under Program of Study.
2. An overall minimum grade point average of 3.00.
3. All courses must be completed within six calendar years after enrollment in first graduate course.
4. Participation in commencement exercises.
5. Final six semester hours to be taken at Elon College.

#### Program of Study

Basic Studies in accounting, economics, quantitative analysis, or computer science may be necessary for some applicants. In such cases, the Director of the M.B.A. program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than five Basic Studies courses be specified.

The **Core Curriculum** consists of the following six 500-level courses. The Core Curriculum is required of all MBA students.

Econ	511	Advanced Statistical Analysis	3 semester hours
BA	512	Quantitative Decision Methods	3 semester hours
Econ	513	Managerial Economics	3 semester hours
Acct	514	Managerial Accounting	3 semester hours
BA	515	Financial Management	3 semester hours
BA	516	Marketing Management	3 semester hours

**Electives consist of five 500-level courses that include:**

BA	521	Organizational Behavior	3 semester hours
BA	522	Organizational Development and Theory	3 semester hours
BA	523	Business Communications	3 semester hours
BA	524	Operations Management	3 semester hours
BA	525	Management Information Systems	3 semester hours
BA	526	Business and Society	3 semester hours
BA	527	Legal Environment of Business	3 semester hours
BA	528	International Business	3 semester hours
BA	571	Special Topics	3 semester hours

A **Capstone** course in Business Policy, BA 565, is required to be taken near the end of the student's program.

**Program Guidelines.** The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Basic Studies courses and ECON 511, BA 512, ECON 513, ACC 514, BA 515 and BA 516 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.
3. The Business Policy course (BA 565) should culminate the program.

**Course Load.** Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time should not register for more than two courses at a time. At least two courses will be scheduled during the summer months. There will be no M.B.A. courses scheduled during the college's three-week Winter Term.

Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

**Course Schedules.** During the fall and spring semesters, 500-level classes will be scheduled during evening periods as follows:

Period One	5:30-7:20 p.m.	Mon. through Thurs.
Period Two	7:30-9:20 p.m.	Mon. through Thurs.

Any given course will meet twice a week, either Period One or Period Two, on a Monday-Wednesday or Tuesday-Thursday cycle. Basic Studies courses

also meet twice weekly, Monday-Wednesday or Tuesday-Thursday, but the time periods are shorter.

For an application and more information about the M.B.A. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.

## **MASTER OF EDUCATION (M.Ed.)**

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings (fall and spring) and in the daytime during summer school.

### **Admissions Policy**

The M.Ed. admissions policy is designed to select students who have demonstrated both academic and teaching ability. Each application is considered in the light of all completed academic work, test scores from the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

### **Basic Requirements**

1. A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a recognized regional accrediting association.
2. A 2.5 gpa overall for undergraduate work, or 3.0 gpa for the last 60 s.h. or 3.0 gpa in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate. (Candidates must have met undergraduate requirements for North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A satisfactory score on the general portion of the Graduate Record Examination or on the Miller Analogies Test taken within five years prior to application.
6. Three written references.
7. A written statement of educational and professional goals.

### **M.Ed. Degree Requirements**

1. Completion of courses specified under program study.
2. Overall grade point average of 3.0 or higher.
3. Completion of coursework within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Final six semester hours to be taken at Elon College.
6. Participation in commencement exercises.



## Programs of Study for Elementary Grades and Middle Grades

All students are required to take the courses in the core curriculum. In addition to the core curriculum, students in the area of Elementary Education complete Education 521, 530, and select four courses from Education 520, 522, 540, 550, 571, 591, Math 521, 523, Science 560, 561, and 562. In addition to the core curriculum, students in the Middle Grades program are required to complete Education 525, 526, and four courses from the following subject areas in which the student has a concentration(s) for Middle Grades Certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571; Education (Communication Skills) 530, 540, 551, 571; or HPER 511, 512, 516, 517, 571.

### Core Curriculum—Elementary and Middle Grades

Education	511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	516	Educational Research and Evaluation Methods	3 sem. hrs.
Psychology	151	Adv. Psychological Theory in the Classroom	3 sem. hrs.

### Additional Requirements

#### Elementary Education—Early Childhood (K-4) & Intermediate (4-6)

Education	521	Survey of Elementary Curriculum: Development and Content	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.

#### Electives: Select four courses

Education	520	Investigation and Trends in the Teaching of Elementary School Science	3 sem. hrs.
Education	522	Communication Skills in the Elementary School	3 sem. hrs.
Education	540	Literature for Children and Youth: Analysis and Application	3 sem. hrs.
Education	550	Meeting Special Learning Needs of Children	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.

**Additional Requirements**  
**Middle Grades Education (6-9)**

Education	525	Effective Middle Grades Teaching	3 sem. hrs.
Education	526	Preadolescent Development: Implications for Education	3 sem. hrs.

**Select four courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:**

Mathematics	521	Mathematical Concepts for the Elementary and Middle Grades School Teacher	3 sem. hrs.
Mathematics	522	Geometry for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Elementary and Middle Grades Classroom	3 sem. hrs.
Mathematics	571	Seminar: Special Topics	3 sem. hrs.
Science	560	Advanced Physical Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Space Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	571	Seminar: Special Topics	3 sem. hrs.
Social Studies	531	Advanced Studies in American Government	3 sem. hrs.
Social Studies	541	Special Topics in Economics	3 sem. hrs.
Social Studies	546	North Carolina in the Nation	3 sem. hrs.
Social Studies	571	Seminar: Special Topics	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.
Education	540	Literature for Children and Youth; Analysis and Application	3 sem. hrs.
Education	551	Enhancing Oral and Written Communication	3 sem. hrs.
Education	571	Seminar: Special Topics	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
HPEL	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPEL	512	Analysis of Teacher Behavior	3 sem. hrs.
HPEL	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.

HPEL	517	Research in Physical Education and Athletics	3 sem. hrs.
HPEL	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.

**Course Load.** Students may enroll in a maximum of three courses during fall and spring semesters. Students who are employed full-time may not register for more than two courses each semester. Courses are also scheduled during the summer months.

**Course Schedules.** During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday      5:30-8:30 p.m.  
 Tuesday     5:30-8:30 p.m.  
 Wednesday 5:30-8:30 p.m.

Summer School terms will be planned to accommodate working schedules of the public school teachers.

For an application and more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions and ask for a graduate catalog.





# Courses of Instruction

## Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, Dance, English, Fine Arts, Journalism, Languages, Communications, Music, Philosophy, Religion, Theatre, Women's Studies
Division of Sciences and Mathematics	Biology, Chemistry, Computing Sciences, Mathematics, Physics, Medical Technology and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health.	Education, Health Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

## ACCOUNTING / The Martha and Spencer Love School of Business

*Dean of Love School of Business: Associate Professor Tiemann*

*Associate Professors: Oliver, Brooks*

*Assistant Professors: Cox, Gibney, Caldwell*

To major in Accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; and 3 semester hours of Computer Science or Information Systems.

In addition to the admission requirements of the Love School of Business, a major in Accounting requires Accounting 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 321, 323, 343, 418, 424 and Economics 347.

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other Accounting courses.

**211. FINANCIAL ACCOUNTING PRINCIPLES**

**3 semester hours**

An introduction to double-entry accounting with emphasis upon conceptual framework; the structure of the accounting profession; and the recording, analysis, and external reporting of financial data. Income measurement and financial position of proprietorships, partnerships, and corporations are discussed.

**212. MANAGERIAL ACCOUNTING PRINCIPLES**

**3 semester hours**

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Prerequisite: ACC 211.

**331. INTERMEDIATE ACCOUNTING I**

**3 semester hours**

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisite: Admission to Love School of Business.

**332. INTERMEDIATE ACCOUNTING II**

**3 semester hours**

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331

**336. COST ACCOUNTING**

**3 semester hours**

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C—V—P analysis. Prerequisite: Admission to Love School of Business.

**337. CORPORATE TOPICS IN ACCOUNTING**

**3 semester hours**

Complex issues in financial accounting with emphasis upon corporate capital structure. Also included are pension plan accounting; capital leases; accounting for income taxes; and statement of change in financial position. Prerequisite: ACC 332

**441. BASIC TAXATION**

**3 semester hours**

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: Admission to Love School of Business.

**442. ADVANCED TAXATION**

**3 semester hours**

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 441.

**451. ADVANCED ACCOUNTING I**

**3 semester hours**

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332.

**452. ADVANCED ACCOUNTING II**

**3 semester hours**

Specialized accounting problems. Partnerships, corporate liquidations, estates and trusts, and accounting for foreign operations are emphasized. Prerequisite: ACC 451.

**456. AUDITING**

**3 semester hours**

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisite: ACC 332.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Advanced study consisting of reading problems, reports, discussions of current topics, or CPA

review. Participation by students, departmental faculty, and other resource persons.

**481. INTERNSHIP IN ACCOUNTING** 1-3 semester hours

**491. INDEPENDENT STUDY** 1-3 semester hours

## ART

*Chair, Department of Fine Arts: Professor Myers*

*Assistant Professor: Sanford*

*Part-time Instructors: J. Henricks, Kinard, Pritchard*

A minor in Studio Art requires Art 131, 221, 223, 232 and 491 (3 semester hours); six semester hours selected from 230, 233, 234, 235, 330, 333, 334, 335 or 491.

**110. Introduction to Studio Art** 3 semester hours  
An introductory level class for students with little or no studio experience. Taught in winter term only.

**131. 2-D Design** 3 semester hours  
A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Material fee: \$10.00.

**221. History of Art: Pre-History Through Middle Ages** 3 semester hours  
Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators.

**223. History of Art: Renaissance to the present** 3 semester hours  
Historical survey of the major visual arts from the Renaissance to the present. Emphasis on major artistic styles, their origin and development, major works of art and their creators.

**230. Ceramics I** 3 semester hours  
Techniques of working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials Fee: \$15.00.

**231. 3-D Design** 3 semester hours  
A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**232. Drawing** 3 semester hours  
Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**233. Painting I** 3 semester hours  
Experimental studies in the techniques of painting and composition using various media. Prerequisite 131 or 232. Materials fee: \$10.00.

**234. Watercolor I** 3 semester hours  
Experimental studies in the various techniques of painting with watercolor. 1 hour of lecture and 5 studio hours. Prerequisite: Art 131 or 232. Materials fee: \$10.00

**235. Graphics I** 3 semester hours  
The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 131. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**261. Art Education for Elementary Grades** 3 semester hours  
Methods and materials, principles, and fundamentals of art used in the elementary grades.

2 hours of lecture and 1 studio hour. Materials fee: \$10.00.

**320. Studies in Art History** **3 semester hours**  
A topically oriented class which covers in depth a particular period, style, or theme in the history of art.

**330. Ceramics II** **3 semester hours**  
A continuation of 230, which is a prerequisite. Materials fee: \$15.00.

**333. Painting II** **3 semester hours**  
A continuation of Art 233, which is a prerequisite. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**334. Watercolor II** **3 semester hours**  
A continuation of Art 234, which is a prerequisite. Materials fee: \$10.00.

**335. Graphics II** **3 semester hours**  
A continuation of Art 235, which is a prerequisite. Materials fee: \$15.00.

**481. Internship in Art** **1-3 semester hours**

**491. Studio Problems** **1-3 semester hours**  
Individual study and experimentation. *Open only by the permission of Art faculty.* Maximum credit allowed toward a degree is 6 hours.

## BIOLOGY

*Chair, Department of Biology and Allied Health: Professor H. House*

*Professor: Rao*

*Associate Professors: N. Harris, Fields*

*Assistant Professor: Sissom*

*Instructor: Gallucci*

A major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and at least 6 additional semester hours in Biology above the 100 level; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114 and 321, 322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

**111. BASIC CONCEPTS IN BIOLOGY** **3 semester hours**  
A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**113. LAB FOR BASIC CONCEPTS IN BIOLOGY** **1 semester hour**  
This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**161. HUMAN ANATOMY** **4 semester hours**  
A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive, and urinary aspects. 3 class hours, 1 laboratory per week.

**162. HUMAN PHYSIOLOGY** **4 semester hours**  
A study of human physiology with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestion and urinary aspects. 3 class hours, 1 laboratory per week.

**181. BIOLOGY LAB TECHNIQUES** **2 semester hours**  
A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.



**221. GENERAL ZOOLOGY****4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**222. GENERAL BOTANY****4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**301. ENVIRONMENTAL CONSERVATION****3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab course.

**311. COMPARATIVE VERTEBRATE EMBRYOLOGY****4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

**312. COMPARATIVE VERTEBRATE ANATOMY****4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

**321. MICROBIOLOGY****4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 111, 112.

**322. CELL BIOLOGY****4 semester hours**

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. 3 class hours and 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

**325. HUMAN HISTOLOGY****4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221 or BIO 265. Offered alternate years.

**335. FIELD BIOLOGY****4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY****4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY****4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. 3 class hours, 1 laboratory per week. Prerequisites: BIO 222, CHM 111.

**345. GENETICS****4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites:

BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

**391. RESEARCH**

**1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY**

**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321, 322 or permission of instructor. Offered alternate Fall Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY**

**4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

**461, 462. SEMINAR I & II**

**2 semester hours each semester**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to junior and senior biology majors or by permission of the instructor.

**481. INTERNSHIP IN BIOLOGY**

**1-3 semester hours**

## **BUSINESS ADMINISTRATION / The Martha and Spencer Love School of Business**

*Dean of Love School of Business:* Associate Professor Tiemann

*Associate Professors:* Baxter, Weavil, McClellan, Mitchell, Behrman

*Assistant Professors:* Howren, O'Mara, Peterson, Synn

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most 300-400 level Business Administration courses or Economics 321 can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; and 3 semester hours of Computer Science or Information Systems.

In addition to the admission requirements of the Love School of Business, a major in Business Administration requires Business Administration 311, 321, 323, 328, 343, and 465; Economics 321; completion of one of the following emphasis areas: Finance—Business Administration 413, 421; Economics 331; Management—Business Administration 424, 425, 426; Marketing—Business Administration 414, 415, 417; one additional 300-400 level 3 semester hour course in Business Administration, Economics, or Accounting must also be completed.

A minor in Business Administration requires Business Administration 311, 323; Accounting 211, 212; Economics 211, 212.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to pages 58-59 or the Graduate Catalog.

### **302. BUSINESS COMMUNICATIONS**

**3 semester hours**

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

### **311. PRINCIPLES OF MARKETING**

**3 semester hours**

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisite: ECO 212.

### **321. LEGAL ENVIRONMENT OF BUSINESS**

**3 semester hours**

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors. Prerequisite: Admission to the Love School of Business.

### **323. PRINCIPLES OF MANAGEMENT**

**3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

### **328. ORGANIZATIONAL BEHAVIOR**

**3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

### **341. FINANCIAL INTERMEDIARIES**

**3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisite: Admission to the Love School of Business.

### **343. MANAGERIAL FINANCE**

**3 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

### **351. FUNDAMENTALS OF REAL ESTATE**

**3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212; ECO 211, 212, or permission of instructor.

### **413. ADVANCED MANAGERIAL FINANCE**

**3 semester hours**

An in-depth study of financial management from the perspective of valutive theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343.

### **414. MARKETING RESEARCH**

**3 semester hours**

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: Admission to the Love School of Business and BA 311.

**415. ADVERTISING****3 semester hours**

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311.

**416. FUNDAMENTALS OF INSURANCE****3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

**417. MARKETING CHANNELS****3 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisites: Admission to the Love School of Business and BA 311.

**418. COMMERCIAL LAW****3 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only. Prerequisite: BA 321.

**421. INVESTMENT PRINCIPLES****3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343.

**422. BUSINESS AND SOCIETY****3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**424. OPERATIONS RESEARCH****3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisite: Admission to the Love School of Business.

**425. PERSONNEL ADMINISTRATION****3 semester hours**

A study of the basic personnel practices, objectives, functions and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**426. PRODUCTION AND OPERATIONS MANAGEMENT****3 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisite: BA 323; BA 412 is recommended.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT****3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA 343.

**465. BUSINESS POLICY****3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 328, 343, and senior status.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.



**481. INTERNSHIP IN BUSINESS ADMINISTRATION****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****CHEMISTRY***Chair, Department of Chemistry: Professor E. Grimley**Professor: Danieleley**Assistant Professors: Agnew, Gooch**Instructors: Baunach, J. Grimley*

A major in Chemistry requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 323, 324, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computer Information Systems 111.

A minor in Chemistry requires Chemistry 111, 112, 113, 114 and twelve semester hours of Chemistry above the 100 level.

**101. BASIC CONCEPTS IN CHEMISTRY****4 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Three class hours, two lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

**103. BASIC CONCEPTS IN GEOLOGY****4 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 2 laboratory hours. No credit toward the Chemistry major or minor.

**110. INTRODUCTION TO CHEMISTRY****3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

**111, 112. GENERAL CHEMISTRY I AND II****3 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.

**113, 114. LABS FOR GENERAL CHEMISTRY I AND II****1 semester hour each semester**

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. To be taken concurrently with 111, 112.

**221. QUANTITATIVE ANALYSIS****4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**222. INORGANIC CHEMISTRY****4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**301. PHYSICAL SCIENCE AND SOCIETY****3 semester hours**

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

**321. ORGANIC CHEMISTRY****3 semester hours**

A detailed study of the chemistry of hydrocarbons. Topics include nomenclature, the relation of structure to physical/chemical properties, mechanism of chemical reactions, stereochemistry, conformational analysis, synthesis and characteristic reactions of several classes of compounds. 3 class hours. Prerequisite: CHM 111-114; corequisite: CHM 323.

**322. ORGANIC CHEMISTRY II****3 semester hours**

A continuation of CHM 321, with emphasis on the chemistry of compounds containing oxygen or nitrogen, and an introduction to the chemistry of lipids, carbohydrates and proteins. Prerequisite: CHM 321; corequisite: CHM 324.

**323. ORGANIC CHEMISTRY LAB I****1 semester hour**

Laboratory work to complement CHM 321. Methods include determination of physical properties, crystallization, distillation, chromatography, structure identification and synthesis of organic compounds. 3 laboratory hours.

**324. ORGANIC CHEMISTRY LAB II****1 semester hour**

Laboratory work to complement CHM 322. Advanced synthetic methods, synthesis using air-sensitive compounds, qualitative organic analysis. 3 laboratory hours.

**361. CHEMICAL LITERATURE****1 semester hour**

Instruction and practice in the use of the literature of chemistry. Prerequisites: CHM 111, 112, 113, 114.

**391. RESEARCH****1-3 semester hours**

Library and/or laboratory research by the individual students under the supervision of the department faculty. Maximum total credit, 8 semester hours. Prerequisite: permission of the chemistry staff.

**411. PHYSICAL CHEMISTRY****4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**421. INSTRUMENTAL ANALYSIS****4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

**425. BIOCHEMISTRY****3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321, 322, or permission of instructor. Offered alternate Fall Terms. (CHM 425 is the same as BIO 425.)

**461. SPECIAL TOPICS****1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.

**471. SEMINAR****1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.

**481. INTERNSHIP IN CHEMISTRY****1-3 semester hours**

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

## COMMERCIAL LEISURE AND SPORTS MANAGEMENT

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## COMMUNICATIONS

*Chair, Department of Journalism and Communications:* Assistant Professor Grady

*Associate Professor:* Rasmussen

*Assistant Professors:* Johnson, Adams, Herold, Gibson

*Instructors:* Kinney, Rudick

Programs are offered in Journalism and in Communications. A student majoring in Communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

**Journalism:** Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing and layout, and audio and video production. Students will gain additional perspective through 12 hours of required upper-level electives in any one discipline with a major or minor.

**Broadcast Communications:** Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel. Additional perspective is gained through 12 hours of required upper-level electives in any one discipline with a major or minor.

**Corporate Communications:** Students will study the internal and external communications of businesses. These studies will be pertinent to areas of public relations, advertising, and corporate communications. Students will learn to create, write, and produce news releases, public service announcements, brochures, newsletters, and audio/video presentations. Additional perspective is gained through required upper-level courses in Business Administration.

A major in Journalism requires JC 215, 225, 228, 245, 255, 325, 330, 425, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor.

A major in Communications with an emphasis in Broadcast Communications requires 210, 215, 225, 245, 255, 335, 312, 360, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor.

A major in Communications with emphasis in Corporate Communications requires JC 210, 215, 225, 255, 318, 325, and 333, plus 9 semester hours of JC courses at the 300-400 level. Additional requirements are Accounting 211 and 212, Economics 212, and 9 semester hours of 300-400 level courses in Business Administration.

A minor in Journalism/Communications requires four courses chosen from Journalism/Communications 210, 215, 225, 245, 255; plus 9 semester hours in Journalism/Communications courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Communications practical experience.

**210. PUBLIC SPEAKING****3 semester hours**

The fundamentals of public speaking: principles in nonverbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

**215. SURVEY OF COMMUNICATIONS****3 semester hours**

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to media as social institutions, economics of the media, and technological developments in media.

**225. REPORTING AND NEWSWRITING****3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

**228. PHOTOJOURNALISM****3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed.

**245. AUDIO PRODUCTION I****3 semester hours**

An introduction to basic audio production techniques applicable in radio, television, and film. The course includes basic studio operation, producing, writing and performing. An overview of the historical and technical development of radio broadcasting is also included.

**251. COMMUNICATIONS STUDIES ABROAD****3 semester hours****255. VIDEO PRODUCTION I****3 semester hours**

This course is designed to introduce students to the fundamentals of television production. The student should gain an understanding of basic television production equipment, concepts and the roles of production personnel. Both studio and electronic news gathering (ENG) methodology will be explored.

**312. BROADCAST PERFORMANCE****3 semester hours**

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures, and movement. Prerequisites: JC 245 and JC 255.

**318. CORPORATE COMMUNICATIONS****3 semester hours**

An introduction to corporate communications as a necessary part of business management. Attention will be given to internal and external communication as applied in the corporate setting. The course will cover the process and patterns of communication in organization, the techniques of information dissemination, and the application of various media and methods.

**325. NEWS EDITING AND LAYOUT****3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

**326. FEATURE WRITING****3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JMC 225.

**330. BROADCAST JOURNALISM I****3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JC 245.



**333. PUBLIC RELATIONS****3 semester hours**

A combined survey and intermediate level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on the use of effective tools plus the use of media to reach various publics. Prerequisite: JC 318.

**335. WRITING FOR ELECTRONIC MEDIA****3 semester hours**

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations.

**337. THE DOCUMENTARY****3 semester hours**

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

**345. AUDIO PRODUCTION II****3 semester hours**

An advance study of radio production techniques, including editing, music and sound effects, mixes and fades, signal processing and multi-channel production. Coursework includes announcing, commercial, news and documentary production. Prerequisite: JC 245.

**352. CORPORATE VIDEO PRODUCTION****3 semester hours**

This course is a study of how to research, write, rewrite, and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisites: JC 318 and 255.

**355. VIDEO PRODUCTION II****3 semester hours**

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements and commercials for local clients. Prerequisite: JC 255.

**360. HISTORY OF BROADCASTING****3 semester hours**

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

**362. A STUDY OF FILMS****3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**371. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

**381. PRACTICUM IN JOURNALISM****1-3 semester hours**

Work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 225, 330 and permission of the instructor.

**382. PRACTICUM IN BROADCAST COMMUNICATIONS****1-3 semester hours**

Work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 245 or 255 and permission of instructor.

**383. PRACTICUM IN CORPORATE COMMUNICATIONS****1-3 semester hours**

Work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 255, 318, 325 and permission of instructor.

**425. ADVANCED REPORTING AND EDITING****3 semester hours**

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 225 and JC 325.

**426. EDITORIAL WRITING****3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JC 225.

**430. BROADCAST JOURNALISM II****3 semester hours**

An advanced study of electronic news gathering (ENG). Students will analyze current examples of news and public affairs programming. Students will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 225, 255, and 330.

**455. REMOTE VIDEO PRODUCTION****3 semester hours**

This course is for advanced students interested in the area of video production. Students will produce projects from the pre-production stages through post-production that will be shown over local cable T.V. Prerequisite: JC 255 and by permission of instructor.

**460. INTERNATIONAL COMMUNICATIONS****3 semester hours**

An examination of the media system of many countries, stressing the chief problem of communication across cultural, economic, sociological and political barriers.

**462. POLITICS IN MASS MEDIA****3 semester hours**

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.

**465. LAW AND ETHICS OF MASS COMMUNICATION****3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulations of broadcasting content.

**490. RESEARCH METHODS****3 semester hours**

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research. Political polling, marketing research, and the reporting of research will be considered.

**491. INDEPENDENT STUDY****1-3 semester hours**

## COMPUTING SCIENCES

*Chair, Department of Computing Sciences: Professor W. Hightower*  
*Assistant Professors: Carpenter, Plumblee, V. Hightower, Murphy*

**Computer Science Requirements (CS)**

A major in Computer Science requires Computer Science 131, 232, 331, 332, 341, 342, 351 and 9 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least 6 of which must be at the 400 level. Additional courses required are Information Systems 111 (or a high school programming course and Computer Science 361), Mathematics 111 (or competency), Mathematics 112 (or competency) 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 131, 232, 331, 341 and 6 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

**131. PROGRAMMING AND ALGORITHM DEVELOPMENT I****4 semester hours**

An introduction to problem solving methods and algorithm development using a high level programming language (PASCAL). Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Three lectures and one lab ses-

sion per week. Prerequisites: MTH 111 (or its exemption) and Information Systems 111 (or a suitable high school programming course).

### **171. SPECIAL TOPICS**

**1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisites may be specified for certain software packages.

### **232. PROGRAMMING AND ALGORITHM DEVELOPMENT II**

**3 semester hours**

A continuation of the development of problem solving methods, using PASCAL. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CS 131. Corequisite: MTH 241.

### **260. SPSS**

**2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisites: 3 semester hours of statistics or permission of the instructor.

### **315. NUMERICAL ANALYSIS**

**3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: Computer Science 131, Mathematics 311 and Mathematics 321 or permission of the instructor. (CS 315 is the same as MTH 315).

### **321. COMPUTER GRAPHICS**

**3 semester hours**

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS 232 and MTH 311.

### **331. DATA STRUCTURES**

**3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CS 232.

### **332. FILE PROCESSING**

**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS 331.

### **341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE I**

**3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Prerequisite: CS 131.

### **342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE II**

**3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CS 341.

### **351. DISCRETE STRUCTURES**

**3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS 131. (CS 351 is the same as MTH 351.)

### **361. COMPUTERS AND SOCIETY**

**3 semester hours**

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisite: English 112 and 3 semester hours of Information Systems or Computer Science courses.

### **371. SPECIAL TOPICS**

**1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 232 or permission of instructor.

- 421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE** 3 semester hours  
An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS 331.
- 431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS** 3 semester hours  
Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS 332.
- 435. ORGANIZATION OF PROGRAMMING LANGUAGES** 3 semester hours  
An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.
- 441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE** 3 semester hours  
The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.
- 451. COMPILER DESIGN AND IMPLEMENTATION** 3 semester hours  
An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing; semantic processing. Prerequisites: CS 351, 435.
- 471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours  
Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.
- 481. INTERNSHIP IN COMPUTER SCIENCE** 1-3 semester hours  
Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.
- 491. INDEPENDENT STUDY** 1-3 semester hours

## Computer Information Systems Requirements (IS)

A major in Computer Information Systems requires Information Systems 111, 116, 121, 222, 321, 322, 326, 451, 461 (or 481) and 6 semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses, at least 3 of which must be at the 400 level. Additional courses required are Accounting 211 and 212, Economics 211, 212 and 246, English 313, Mathematics 121 or 165, and one course from Business Administration 312, 343, 412, 426, Economics 321, 347.

A minor in Information Systems requires Information Systems 111, 116, 121, 222 and 6 semester hours of 300-400 level Computer Information Systems (IS) courses.

- 111. INTRODUCTION TO COMPUTER INFORMATION SYSTEMS** 3 semester hours  
An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flow-charting. The student will study procedures for interactive program execution utilizing the BASIC computer language.
- 116. MICROCOMPUTER APPLICATIONS** 3 semester hours  
Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.



**121. COBOL PROGRAMMING I****4 semester hours**

An introduction to the use of computers in business applications utilizing the COBOL programming language. Structured programming techniques will be stressed. A weekly lab will be an integral part of the course. Prerequisite: Information Systems 111.

**171. SPECIAL TOPICS****1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages. Prerequisite: May be specified for certain software packages.

**222. COBOL PROGRAMMING II****3 semester hours**

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: Information Systems 121.

**321. SYSTEMS ANALYSIS AND DESIGN****3 semester hours**

An in-depth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. Prerequisite: ACC 212. Corequisites: ENG 313 and IS 222.

**322. SYSTEMS DESIGN AND IMPLEMENTATION****3 semester hours**

A continuation of the study of standard techniques for the design of information systems as well as for their implementation, testing and modification. Prerequisite: IS 321.

**326. DATA FILES AND DATABASES****3 semester hours**

Fundamentals of data structures, normalization of data modeling and database methods. Application development through fourth generation programming techniques. Prerequisite: IS 222.

**451. INFORMATION CENTER TECHNIQUES****3 semester hours**

Includes an introduction to fourth generation languages. Selection and utilization of appropriate software tools to design, assemble and test information systems. Prerequisites: IS 116, 322 and 326.

**454. DECISION SUPPORT AND EXPERT SYSTEMS****3 semester hours**

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisite: IS 326.

**457. DATA COMMUNICATION AND NETWORKS****3 semester hours**

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communicating equipment. Prerequisite: IS 326.

**461. SENIOR PROJECT****3 semester hours**

Development and implementation of a significant information systems application. Corequisite: IS 451.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN INFORMATION SYSTEMS****1-3 semester hours**

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: IS 326 and permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours****COOPERATIVE EDUCATION**

*Director of Career Planning:* Assistant Professor N. Johnson

*Director of Experiential Education:* Assistant Professor P. Brumbaugh

*Director of Placement:* Assistant Professor K. Thompson

Career Services offers courses designed to acquaint Elon students with the

career decision-making process, to assist them in career exploration, and to prepare them for the job search.

#### **110. CHOOSING A MAJOR**

**1 semester hour**

Assists undeclared or undecided (pre-major) students in choosing an appropriate college major. Topics covered in these group career counseling sessions include: career decision-making skills, personal values and needs, interest and ability assessment, career testing and measurement, senior student panel discussions, and career exploratory interviews. Recommended for freshmen and sophomores.

#### **310. SECURING A JOB**

**1 semester hour**

Helps students prepare for internships, co-ops, summer jobs and permanent employment. Develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to effectively interview. Required of co-op students and recommended for sophomores, juniors, and seniors.

### **THE COOPERATIVE EDUCATION WORK EXPERIENCE PROGRAM**

enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full time or part time with an employer selected and/or approved by the College. Credit hours are based on the number of hours worked during the term — a maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees. Evaluation is based on job performance and reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

Eligibility Requirements: Junior or Senior standing

2.5 minimum GPA

Approval of Faculty/Exp. Ed Director

COE 310 class

#### **381-386. CO-OP WORK EXPERIENCE**

**1-9 semester hours**

This series of courses provides careful monitoring of students in either a part or full time work experience. The students learn by applying classroom theory in a job related to the major/minor/career objectives. Prerequisite: Full admission to the Co-op Program.

## **DANCE**

*Chair, Department of Fine Arts: Professor Myers*

*Part-Time Instructors: Gray, Wellford*

A minor in Dance requires 18 semester hours distributed as follows: three courses from Dance 103, 104, 112, 113, 114; two courses selected from Dance 201, 202, 203; two semesters of Dance 204; two courses selected from Dance 366, 367, or HPEL 365; plus three semester hours of additional dance courses at 200 level or above.

#### **103. INTRODUCTION TO DANCE**

**2 semester hours**

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy. (DAN 103 is the same as HPEL 103.)

#### **104. MODERN DANCE I**

**1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance personalities. (DAN 104 is the same as HPEL 104.)

#### **112. BALLET I**

**1 semester hour**

Study and participation in classical ballet techniques. (DAN 112 is the same as HPEL 112.)

**113. JAZZ DANCE I****1 semester hour**

Exploration of the various jazz dance techniques. (DAN 113 is the same as HPEL 113.)

**114. DANCE IMPROVISATION****1 semester hour**

The study of both spontaneous and learned movements, individual and group movement exercise include how poetry, the senses, music, visual art and everyday gestures stimulate and influence dance. (DAN 114 is the same as HPEL 114.)

**201. MODERN DANCE II****2 semester hours**

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: DAN/HPEL 104 or permission of instructor. (DAN 201 is the same as HPEL 201.)

**202. BALLET II****2 semester hours**

Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: DAN/HPEL 112 or permission of instructor. (DAN 202 is the same as HPEL 202.)

**203. JAZZ DANCE II****2 semester hours**

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: DAN/HPEL 113 or permission of instructor. (DAN 203 is the same as HPEL 203.)

**204. DANCE ENSEMBLE****1 semester hour**

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester.

**366. DANCE CHOREOGRAPHY****3 semester hours**

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (DAN 366 is the same as HPEL 366.)

**367. HISTORY OF DANCE****3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical, comedy, religious and social dance. (DAN 367 is the same as HPEL 367.)

## DRAMA

The Drama program is listed under Theatre.

## ECONOMICS

*Dean of Love School of Business:* Associate Professor Tiemann

*Associate Professors:* Baxter, Toney

*Assistant Professors:* Larson, Hart

*Instructors:* Bass, Veum, Ellis

A major in Economics requires Economics 211, 212, 246, 310, 311, 411, and 15 additional semester hours of Economics electives at the junior-senior level (Social Science 312 may be substituted for 3 elective hours in Economics). Additional course requirements are Mathematics 111 (or competency) and either 121 or 165; Accounting 211; Computer Information Systems 111 or 116.

A minor in Economics requires Economics 211, 212, 310, 311, a course in statistics (Economics 246, Mathematics 265 or 341, or Social Science 312), and 6 semester hours of Economics electives at the junior-senior level.

**211. PRINCIPLES OF MACROECONOMICS****3 semester hours**

An introduction to the study of the economy as a whole. Topics may include national income accounts and determination, unemployment, inflation, fiscal and monetary policy and international trade. Prerequisite: MTH 111 or higher. Not sequenced with 212.

**212. PRINCIPLES OF MICROECONOMICS****3 semester hours**

An introduction to the study of the parts of the economy. Consumers, firms, industries and markets will be discussed. Income distribution, labor unions, antitrust laws or other topics may also be discussed. Prerequisite: MTH 111 or higher. Not sequenced with 211.

**246. STATISTICS FOR ECONOMICS AND BUSINESS****3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 165 or 121.

**271. SEMINAR: ECONOMIC ISSUES****3 semester hours****310. INTERMEDIATE MACROECONOMIC THEORY****3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.

**311. INTERMEDIATE MICROECONOMIC THEORY****3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

**312. COMPARATIVE ECONOMIC SYSTEMS****3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

**313. LABOR ECONOMICS****3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

**315. U.S. ECONOMIC HISTORY****3 semester hours**

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions, and government's role in economic change. Prerequisites: Economics 211 and 212.

**317. THE ECONOMICS OF WOMEN****3 semester hours**

Topics covered include: economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

**321. MANAGERIAL ECONOMICS****3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: Admission to Love School of Business.

**331. MONEY AND BANKING****3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 211, 212.

**332. PUBLIC FINANCE****3 semester hours**

A positive and normative approach to the role of government in the economy. Public expen-



ditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211, 212.

### **341. ECONOMIC REGULATION**

**3 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisites: ECO 311 or 321.

### **347. STATISTICAL ANALYSIS**

**3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246.

### **411. DEVELOPMENT OF ECONOMIC THOUGHT**

**3 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

### **412. INTERNATIONAL TRADE AND FINANCE**

**3 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

### **471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

### **481 INTERNSHIP IN ECONOMICS**

**1-3 semester hours**

A maximum of 3 semester hours are applicable to a major or minor in Economics.

### **491. INDEPENDENT STUDY**

**1-3 semester hours**

## **EDUCATION**

*Chair: Department of Education and Psychology: Professor Brogan*

*Professors: J. Williams, Simon*

*Associate Professors: Speas, Wooten, Hemphill, Oliver*

*Assistant Professors: Maness, Thomson*

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Teacher Education Committee, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina State Board of Education\*, and have a G.P.A. of 2.50 for all general studies completed at time of admission. After admission, failure to maintain an overall 2.50 grade point average will result in the student being dismissed from the program. In all cases approval is subject to the discretion of the Teacher Education Com-

mittee which bases its decision upon the above factors and the following: the student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. When circumstances warrant, the Teacher Education Committee may dismiss a student from the teacher education program. Application forms for the teacher education program are available in the office of the chairman of the Teacher Education Committee and must be filed by October 1 or March 1 of the semester immediately prior to the beginning of the student's junior year. Students must be admitted unconditionally to the teacher education program before being permitted to take education courses beyond the 200 level.

Upon completion of quantitative requirements a student must have a 2.50 cumulative grade point average and must have met the minimum score requirements (as established by the North Carolina Department of Public Education)\* on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

All students who are education majors are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

\*Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.

### **Requirements for the Elementary Education Major**

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 211, 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 131; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111, 112; and two semester hours of Computer Science.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 211, 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211, Geography 131; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 131; Sociology 111; and two semester hours of Computer Science.

## Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 211, 321, 331, 332; Economics 211; English 200; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 131; Sociology 111, and two semester hours of Computer Science. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210, English 111, 112, 200, 215, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and two semester hours of Computer Science.

A concentration in *Mathematics* requires Mathematics 111, 112, 165, 261, 262, 265; and two semester hours of Computer Science.

A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and two semester hours of Computer Science.

A concentration in *Science* requires Biology 301; Chemistry 101, 103; Natural Science 162; Physics 101, 102; and one semester hour of Computer Science. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 131.

## Requirements for the Secondary Education Major

Majors in Secondary Education consist of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 281, 312, 322, 415, subject area materials and methods course (chosen from Education 421-427), 481; Psychology 211, 321, 341; two semester hours of Computer Science; and one of the following major areas: Biology, Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

## Requirements for Special Subject Areas in Education

Majors in Special Subject Areas in Education (grades K-12) consist of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education 211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Education 427 or Music 461-462); Psychology 211, 321, 331, 341; two semester hours of Computer Science; and one of the following

major areas: Music Education, Health Education, or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Minor Fields**

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

#### **211. INTRODUCTION TO EDUCATION**

**3 semester hours**

A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

#### **281. PRACTICUM PRIOR TO STUDENT TEACHING**

**1-3 semester hours**

Designed for sophomores and juniors as a pre-student teaching field experience.

#### **311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6**

**3 semester hours**

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS**

**3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **321. READING IN THE ELEMENTARY SCHOOL**

**3 semester hours**

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school field experience required. Prerequisite: EDU 211.

#### **322. READING IN THE CONTENT AREAS**

**(Middle Grades and Secondary Grades)**

**2 semester hours**

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school field experience required. Prerequisite: EDU 211.

#### **325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION**

**3 semester hours**

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Public school field experience required. Prerequisite: EDU 211, 321 or 322.

#### **411. MATERIALS AND METHODS IN ELEMENTARY GRADES**

**6 semester hours**

Evaluation and selection of materials and methods used in the organization, planning and teaching of communication skills, social studies, science and mathematics. Prerequisites: EDU 211.

#### **412. MATERIALS AND METHODS IN MIDDLE GRADES**

**3 semester hours**

Materials and methods used in teaching social studies and one additional area chosen from



communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING** **2 semester hours**  
Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-427; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH** **3 semester hours**  
A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS** **3 semester hours**  
A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211. Fall semester only.

**423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION** **3 semester hours**  
Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes. Prerequisite: EDU 211. Fall semester only.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE** **3 semester hours**  
The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211. Fall semester only.

**425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES** **3 semester hours**  
A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

**427. MATERIALS AND METHODS OF HEALTH AND SAFETY** **3 semester hours**  
Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211. Fall semester only.

**441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES** **3 semester hours**  
A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year-old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

**461. SEMINAR IN CLASSROOM ENVIRONMENT** **3 semester hours**  
A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

**481. SUPERVISED OBSERVATION AND STUDENT TEACHING** **12 semester hours**  
Provides the student with experience in the classroom on a full-time basis for a period of one

semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 211, 311 or 312, and appropriate methods course(s).

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**ENGLISH**

*Chair, Department of English:* Professor M. Smith  
*Professors:* Blake, Bland, Gill  
*Associate Professors:* J. Berry, Euliss, Angyal  
*Assistant Professors:* Lyday-Lee, Mackay, Maness, P. Haworth, Haskell, Herold, Cassebaum, Hood, Gordon, Boyd, Hunt, Braye  
*Instructors:* A. Butler, R. House, Gaffigan, Teague, D. Smith, Lundquist  
The major in English requires 39 semester hours selected from the following groups of courses:

- I. Language (310-319, 410-419).....3 semester hours
- II. Historical Studies (320-329, 420-429).....9 semester hours
- III. Contemporary Studies (330-339, 430-439).....6 semester hours
- IV. Major Authors (340-349, 440-449).....3 semester hours
- V. Genres (350-359, 450-459).....3 semester hours
- VI. Electives (200-level or above, at least 3 classes at the 300-400 level).....15 semester hours

One course must be a 400-level seminar.

Students majoring in English for teacher certification are required to take English 200, 201, 202, 203 or 204, 215, 311, 312, 313 or 314, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional electives (at the 300-400 level) plus JMC 210.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

Students majoring in English or English with teacher certification under an earlier catalog should contact the Advising Center for course substitutions for previous requirements.

**100. BASIC WRITING SKILLS**

**3 semester hours**

A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

**106. ANALYTICAL READING**

**3 semester hours**

A course designed to improve the student's ability to analyze, comprehend, and retain college level reading material. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

**111. FRESHMAN ENGLISH I****3 semester hours**

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

**112. FRESHMAN ENGLISH II****3 semester hours**

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

**171. SPECIAL TOPICS****3 semester hours**

A study of special topics or types of literature. It is designed for students who have not completed English 112.

**200. INTRODUCTION TO LITERATURE****3 semester hours**

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

**201. ENGLISH LITERATURE I****3 semester hours**

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**202. ENGLISH LITERATURE II****3 semester hours**

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**203. AMERICAN LITERATURE I****3 semester hours**

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**204. AMERICAN LITERATURE II****3 semester hours**

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**215. FUNDAMENTALS OF GRAMMAR****3 semester hours**

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

**251. ENGLISH STUDIES IN BRITAIN****3 semester hours**

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

**281. WRITING TUTOR WORKSHOP****3 semester hours**

This course enhances students' writing ability while they learn to tutor writing. It requires tutoring three hours each week in Elon's Writing Center and an overall B average in English 111 and 112.

**301. CHILDREN'S LITERATURE****3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

**310-319. LANGUAGE (Group I)**

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

**311. THE ENGLISH LANGUAGE****3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG. 111, 112.

**312. INTRODUCTION TO LINGUISTICS****3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

**313. WRITING FOR THE PROFESSIONS****4 semester hours**

A study of the theories and practices of professional writing. This course includes a one hour internship. Prerequisites: ENG 111, 112 and permission of the instructor.

**314. INTRODUCTION TO RHETORIC****3 semester hours**

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

**320-329. HISTORICAL STUDIES (GROUP II)**

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

**321. CLASSICAL LITERATURE****3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

**322. MEDIEVAL LITERATURE****3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

**323. RENAISSANCE LITERATURE****3 semester hours**

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

**324. THE ENLIGHTENMENT****3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

**325. ROMANTICISM****3 semester hours**

A study of great British, Continental and American Romantic literature, examining attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112.

**326. THE LATER NINETEENTH CENTURY****3 semester hours**

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

**330-339. CONTEMPORARY STUDIES (GROUP III)**

Studies in the literature of the twentieth century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

**331. STUDIES IN MODERN LITERATURE****3 semester hours**

A study of important literary works and movements of the first half of the twentieth century,



such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

### **332. LITERATURE OF THE SOUTH**

**3 semester hours**

A study of Southern literature, its background and themes, with attention given to major twentieth century writers. Prerequisites: ENG 111, 112.

### **333. FEMINIST APPROACHES TO LITERATURE**

**3 semester hours**

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

### **334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE**

**3 semester hours**

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

### **335. STUDIES IN CONTEMPORARY LITERATURE**

**3 semester hours**

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

## **340-349. MAJOR AUTHORS (Group IV)**

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Austen, Dickens, Twain, Hemingway, Faulkner, Cervantes, Goethe and Camus are typical offerings.

### **341. CHAUCER**

**3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

### **342. SHAKESPEARE**

**3 semester hours**

A study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

### **343. MILTON**

**3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

## **350-359 GENRES (Group V)**

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

### **351. THE NOVEL**

**3 semester hours**

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

### **352. DRAMA**

**3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

### **353. POETRY**

**3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

### 360-379 ELECTIVE TOPICS

#### **362. A STUDY OF FILMS**

**3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112 (ENG 362 is the same as JMC 362.)

#### **365. LITERATURE AND THEOLOGY**

**3 semester hours**

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

### 470-479 SEMINARS: SPECIAL TOPICS

**3 semester hours**

### 491. INDEPENDENT STUDY

**1-3 semester hours**

## FINE ARTS

*Chair, Department of Fine Arts: Professor Myers*

*Assistant Professor: Rubeck*

*Part-time Instructor: Kinard*

#### **211. INTRODUCTION TO FINE ARTS**

**3 semester hours**

A comparative study of major artistic styles and movement using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and esthetic values.

#### **251. FINE ARTS STUDIES IN ENGLAND**

**3 semester hours**

A study-tour in London with emphasis on theatres, concerts and places of cultural importance. Winter Term only.

## FOREIGN LANGUAGES

*Chair, Department of Foreign Languages: Associate Professor G. Rodriguez*

*Associate Professor: Lunsford*

*Assistant Professors: Romer, Wilson*

*Instructor: Villa-Garcia*

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least 6 of the semester hours must be at the 300-400 level.

**FRENCH 101, 102. FOUNDATIONS OF FRENCH** **3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the French language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

**FRENCH 111, 112. ELEMENTARY FRENCH** **3 semester hours each semester**

An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

**FRENCH 211, 212. INTERMEDIATE FRENCH** **3 semester hours each semester**

A systematic review of French grammar for students with a minimum of 2 years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school French or FRE 111, 112 or equivalent.

**FRENCH 371. SPECIAL TOPICS** **3 semester hours****GERMAN 111, 112. ELEMENTARY GERMAN** **3 semester hours**

An introductory course for students who have taken at least 2 years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

**GERMAN 211, 212. INTERMEDIATE GERMAN** **3 semester hours each semester**

A systematic review of German grammar for students with a minimum of 2 years of high school German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school German or GER 111, 112 or equivalent.

**GREEK 111, 112. ELEMENTARY GREEK** **3 semester hours each semester**

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

**GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK** **3 semester hours each semester**

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 101, 102. FOUNDATIONS OF SPANISH** **3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

**SPANISH 111, 112. ELEMENTARY SPANISH** **3 semester hours each semester**

An introductory course for students who have at least two years of any one foreign language in high school. It develops language skills by stressing cultural content, conversational use, and pronunciation while also giving a basis in Spanish grammar.

**SPANISH 211, 212. INTERMEDIATE SPANISH** **3 semester hours each semester**

A systematic review of Spanish grammar for students with a minimum of 2 years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION** **3 semester hours**

Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION** **3 semester hours**

Continued work in conversation with new emphasis on writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I** **3 semester hours**

A chronological survey of the development of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II**

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 341. LATIN-AMERICAN LITERATURE I****3 semester hours**

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 342. LATIN-AMERICAN LITERATURE II****3 semester hours**

A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 371. SPECIAL TOPICS****3 semester hours****SPANISH 471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****SPANISH 491. INDEPENDENT STUDY****1-3 semester hours**

## GEOGRAPHY

*Chair, Department of Social Sciences:* Associate Professor T. Henricks  
*Assistant Professor:* Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

**121. PHYSICAL GEOGRAPHY****3 semester hours**

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

**131. WORLD REGIONAL GEOGRAPHY****3 semester hours**

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

**311. GEOGRAPHY OF THE UNITED STATES AND CANADA****3 semester hours**

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

**321. GEOGRAPHY OF EUROPE****3 semester hours**

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

**331. GEOGRAPHY OF NORTH CAROLINA****3 semester hours**

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

**491. INDEPENDENT STUDY****1-3 semester hours**

## HISTORY

*Chair, Department of History:* Professor Crowe

*Professors:* Delp, G. Troxler, C. Troxler

*Assistant Professors:* L. Rich, Midgett, Welch, Ireland, Lansen, Nicassio

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from political



science; plus 9 semester hours on the junior-senior level from the social sciences, literature, religion, or from any course in philosophy, psychology, or foreign language (at the 111 level or above).

History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in history. A minor in American history requires History 211, 212, one seminar in American history, and nine elective hours in United States or Latin American history. A minor in European history requires History 111, 112, one seminar in European or English history, and nine elective hours from European, English, and/or Russian history.

**111, 112. HISTORY OF WESTERN CIVILIZATION** **3 semester hours each semester**  
European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

**211, 212. AMERICAN HISTORY** **3 semester hours each semester**  
American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

**251. HISTORY STUDIES ABROAD** **3 semester hours**  
A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

**311, 312. HISTORY OF ENGLAND** **3 semester hours each semester**  
English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

**313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS** **3 semester hours**  
The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

**314. LATIN AMERICA IN THE TWENTIETH CENTURY** **3 semester hours**  
A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

**315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD** **3 semester hours**  
A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

**316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD** **3 semester hours**  
A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

**321. HISTORY OF MODERN CHINA** **3 semester hours**  
A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

- 341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours  
Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)
- 342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours  
(Same course as PS 342. See PS 342 for description.)
- 343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES** 3 semester hours  
A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.
- 344. THE SOUTH IN AMERICAN HISTORY** 3 semester hours  
Focus is on factors that produced southern distinctiveness and the implications of this regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, sub-cultural persistence, Civil Rights movement, and emergence of the modern sunbelt. Prerequisite: HST 211 or 212, or permission of instructor.
- 345. AMERICAN MILITARY SCIENCE** 3 semester hours  
A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.
- 346. NORTH CAROLINA HISTORY** 3 semester hours  
The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.
- 347. HISTORY OF WOMEN IN THE U.S.** 3 semester hours  
This course will focus on the roles and influences of women in the United States, primarily during the centuries since nationhood was established. Students will examine the political, social, familial, and working patterns of women, within the context of American and Western history as a whole.
- 348. UNITED STATES SINCE 1933** 3 semester hours  
Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.
- 353. EUROPE IN TRANSFORMATION, 1100-1600** 3 semester hours  
A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.
- 354. EUROPE 1600-1791** 3 semester hours  
A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.
- 355. NINETEENTH CENTURY EUROPE 1791-1914** 3 semester hours  
Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.
- 357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT** 3 semester hours  
Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA****3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789****3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisite: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR****3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM****3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH****3 semester hours**

Tudor England from the accession of Henry the Seventh in 1485 to the death of Elizabeth I in 1603. For individual exploration and discussion, students select topics relating to the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION****3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN HISTORY****3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

**491. INDEPENDENT STUDY****3 semester hours**

Open to history majors and minors who have junior or senior standing or by permission of instructor.

## HUMAN SERVICES

*Chair:* Associate Professor Higgs

*Professors:* Brogan, Granowsky

*Assistant Professors:* P. Kiser, Fromson

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 312 or Economics 246); and 15 semester hours (at least nine at (300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing,

community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence.

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435. A minor in Gerontology requires Human Services 211, 241, 324, 345, 351 and 381. The practicum must be taken in a facility or program for the elderly.

#### **101. LEADERSHIP**

**2 semester hours**

A study-practical experience course designed to increase knowledge and skills in leadership development. This course is appropriate for emerging as well as established leaders.

#### **102. PEER COUNSELING**

**2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Assistants.

#### **211. INTRODUCTION TO HUMAN SERVICES**

**3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

#### **212. METHODS IN HUMAN SERVICES**

**3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

#### **221. EXPLORATIONS IN HUMAN SERVICES**

**3 semester hours**

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns, and controversies related to specific service areas is encouraged.

#### **231. SOCIAL GROUP WORK**

**3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

#### **241. INTRODUCTION TO AGING**

**3 semester hours**

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

#### **324. LEISURE AND AGING**

**3 semester hours**

(Same course as REC 324. See REC 324 for description.)

#### **345. ISSUES IN AGING**

**3 semester hours**

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.



**381. PRACTICUM IN HUMAN SERVICES****3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.

**411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES****3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

**412. PROFESSIONAL COMMUNICATION****3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

**413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES****3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.

**431. PRINCIPLES OF COUNSELING****3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.

**435. FAMILY COUNSELING****3 semester hours**

Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP IN HUMAN SERVICES****6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY****1-3 semester hours****JOURNALISM**

The journalism program is listed under Communications.

**MATHEMATICS***Chair, Department of Mathematics and Computing Sciences: Professor R. Haworth**Professors: Francis, W. Hightower**Associate Professors: Alexander, Barbee, Speas, Reichard**Assistant Professors: Richardson, Whitaker, Clark**Instructor: Crawford**Part-time Instructors: C. Holt, Scarlett, Walton*

A major in Mathematics requires Mathematics 112, 121, 221, 241, 311, 312, 321, 425, 461; 9 additional semester hours of Mathematics at the 300-400 level (excluding 481); IS 111; CS 131 and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 112, 121, 221, 241, 311, 312, 321, 331, 341, 425, 461; IS 111; CS 131; and Physics 113, 114, 115, 116.

A minor in Mathematics requires Mathematics 112, 121, 221, 241, 311, and one additional 3- or 4-semester-hour course selected from computing sciences, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Math 111, 112 and/or IS 111 by demonstrating proficiency.

**100. INTRODUCTORY ALGEBRA** **3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite. A final grade of "C" is prerequisite for registration for any higher math course.

**111. COLLEGE ALGEBRA** **3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

**112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS** **3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

**121. CALCULUS AND ANALYTIC GEOMETRY I** **4 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

**160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS** **3 semester hours**

Topics covered include matrices, linear systems, linear programming, probability, counting problems and elementary statistics.

**165. APPLIED MATHEMATICS WITH CALCULUS** **3 semester hours**

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

**221. CALCULUS AND ANALYTIC GEOMETRY II** **4 semester hours**

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.

**241. LOGIC AND DISCRETE MATHEMATICS** **3 semester hours**

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 111 or competency.

**261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**  
**3 semester hours each semester**

Primarily a content course open only to the students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.

**265. ELEMENTARY STATISTICS** **3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

**311. LINEAR ALGEBRA** **3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces,

matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221, 241.

### **312. MODERN ALGEBRA**

**3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

### **315. NUMERICAL ANALYSIS**

**3 semester hours**

(Same course as CS 315. See CS 315 for description.)

### **321. CALCULUS AND ANALYTIC GEOMETRY III**

**4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

### **331. MODERN GEOMETRY**

**3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

### **341. PROBABILITY THEORY AND STATISTICS**

**3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

### **351. DISCRETE STRUCTURES**

**3 semester hours**

(Same course as CS 351. See CS 351 for description.)

### **421. DIFFERENTIAL EQUATIONS**

**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

### **425, 426. ANALYSIS**

**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

### **461. SENIOR SEMINAR**

**3 semester hours**

A capstone experience for mathematics majors during their senior year of college work. Students will participate in research and presentation experiences on topics selected by the instructor and students. Emphasis will be placed on collection, organization, and presentation of advanced mathematical topics. Prerequisite: Senior standing or permission of the Mathematics Department.

### **471. SPECIAL TOPICS**

**3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

### **481. INTERNSHIP IN MATHEMATICS**

**1-3 semester hours**

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

### **491. INDEPENDENT STUDY**

**1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## **MEDICAL TECHNOLOGY**

*Chair, Department of Biology and Allied Health; Professor H. House*

*Adjunct Assistant Professor and Program Director: J. Smith*

*Adjunct Assistant Professor and Medical Director: Gay*

*College Program Director: House*

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; a one-hour course in immunology and completion of the clinical curriculum at Moses H. Cone Memorial Hospital.

## MILITARY SCIENCE

*Chair, Department of Military Science: Bowers*

*Assistant Professor: Jackson*

*Instructors: Thornton, Hebert*

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.



*Advanced Course:* Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, 442 and History 345.

*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

**111. INTRODUCTION OF CITIZEN/SOLDIER 1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

**112. INTRODUCTION TO UNITED STATES MILITARY FORCES  
IN SUPPORT OF NATIONAL DEFENSE 1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

**141, 142. LEADERSHIP LABORATORY 1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

**211. MAP READING SKILL DEVELOPMENT 1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

**212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES 1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

**241, 242. LEADERSHIP LABORATORY 1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

**251. ARMY ROTC BASIC CAMP 4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

**311. LEADERSHIP TRAINING 2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

**312. INTRODUCTION TO MILITARY TEAM THEORY 2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of

each branch of the Army.

**341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

**351. ARMY ROTC ADVANCED CAMP**

**4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

**411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics; military briefings; leadership.

**412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION**

**2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

**441, 442. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

**451. AIRBORNE TRAINING**

**3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

## MUSIC

*Chair, Department of Fine Arts: Professor Myers*

*Professor: Bragg*

*Associate Professor: Ten Eyck*

*Assistant Professors: Goter, Lewis, E. Williams*

*Part-time Professors: Artley, Oehler*

*Part-time Instructors: King, Sullivan, Dula, Warren, Link, Brown, Liston, Johnson, Peterson*

### Requirements for the Major in Music

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of 8 semesters of ensemble (Music 101, 102, 103), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

### Requirements for the Major in General Music

A major in General Music for the A.B. degree has the same courses,

ensemble, keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

### **Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 413, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### **General Regulations**

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

### **Applied Music—Individual and Group Instruction**

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *Special fees applicable to applied music lessons are described on page 33.*

## Applied Music Levels

**Piano:**  
120, 220, 320, 420

**Organ:**  
121, 221, 321, 421

**Voice:**  
122, 222, 322, 422

**Trumpet:**  
123, 223, 323, 423

**French Horn:**  
124, 224, 324, 424

**Trombone:**  
125, 225, 325, 425

**Baritone (Euphonium):**  
126, 226, 326, 426

**Tuba:**  
127, 227, 327, 427

**Flute:**  
128, 228, 328, 428

**Oboe:**  
129, 229, 329, 429

**Clarinet:**  
130, 230, 330, 430

**Bassoon:**  
131, 231, 331, 431

**Saxophone:**  
132, 232, 332, 432

**Violin:**  
133, 233, 333, 433

**Viola:**  
134, 234, 334, 434

**Cello:**  
135, 235, 335, 435

**String Bass:**  
136, 236, 336, 436

**Guitar:**  
137, 237, 337, 437

**Percussion:**  
138, 238, 338, 438

## Applied Music Classes—Group Instruction

**152,153. VOICE CLASS I & II** **1 semester hour each semester**  
Group voice instruction (beginning and intermediate). Audition required.

**154-157. PIANO CLASS I-IV** **1 semester hour each semester**  
Group piano instruction ranging from beginning to intermediate. Audition required.

**258,259. DICTION FOR SINGERS** **1 semester hour each semester**  
Required of voice majors.

## Music Materials, Structures and Techniques

**111, 112. THE MATERIALS OF MUSIC I & II** **3 semester hours**  
A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

**113, 114. MUSIC SKILLS LAB I & II** **1 semester hour each semester**  
Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

**211, 212. THE MATERIALS OF MUSIC III & IV** **3 semester hours**  
A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

**213, 214. MUSIC SKILLS LAB III & IV** **1 semester hour each semester**  
Designed to be taken in conjunction with Music 211, 212.

**311. COUNTERPOINT I** **2 semester hours**  
Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

**312. COUNTERPOINT II** **2 semester hours**  
Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

**313. FORM AND ANALYSIS** **2 semester hours**  
Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.



**411. INSTRUMENTAL AND CHORAL ARRANGING****2 semester hours**

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

**412. COMPOSITION****2 semester hours**

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

**413. TWENTIETH CENTURY TECHNIQUES****2 semester hours**

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

**Literature and History****215. INTRODUCTION TO MUSIC LITERATURE****3 semester hours**

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

**217. MUSIC APPRECIATION****3 semester hours**

(Same as Fine Arts 217. See Fine Arts 217 for description.)

**218. HISTORY OF JAZZ****3 semester hours**

A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1985. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES****3 semester hours each semester**

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

**368. HISTORY OF AMERICAN MUSICAL THEATRE****3 semester hours**

(Same course as FA 368. See FA 368 for description.)

**Music Education****261. MUSIC IN THE ELEMENTARY SCHOOL****3 semester hours**

A study for the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

**361. PERCUSSION METHODS****1 semester hours****362. BRASS METHODS****1 semester hour****363. WOODWIND METHODS****1 semester hour****364. CHORAL/VOCAL METHODS****1 semester hour****365. STRING METHODS****1 semester hour****366. CONDUCTING****2 semester hours each semester**

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.

**461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS****3 semester hours each semester**

A study of methods and materials suitable for the elementary, middle and senior school levels.

**Ensembles****101. BAND (open to all students)** 1 semester hour**102. CHOIR (open to all students)** 1 semester hour**103. ORCHESTRA (by audition)** 1 semester hour**104. JAZZ ENSEMBLE (by audition)** 1 semester hour**105. CHAMBER SINGERS (by audition)** 1 semester hour**106. CHAMBER ENSEMBLE (by audition)** 1 semester hour**Other Offerings****251. MUSIC STUDIES IN ENGLAND** 3 semester hours

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

**360. METHODS AND MATERIALS OF PIANO PEDAGOGY** 2 semester hours

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

**471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours

Small group study under the guidance of a member of the staff.

**481. PRACTICUM IN MUSIC THEATRE** 1-3 semester hours

A practicum in all aspects of theatre production. Students accepted by audition with the production director.

**491. INDEPENDENT STUDY** 1-3 semester hours**NATURAL SCIENCE***Professors:* Danieleley, F. Harris, H. House*Associate Professor:* Fields*Assistant Professor:* Agnew*Instructor:* Baunach**160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS****3 semester hours**

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

**161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS****2 semester hours**

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors. Prerequisite: NS 160 or permission of instructor.

**162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS****3 semester hours**

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstration. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

## PHILOSOPHY

*Chair:* Professor Sullivan

*Associate Professor:* Waller

*Instructor:* Hilliard

A major in Philosophy requires Philosophy 111, 113, 115; three courses from Philosophy 341, 342, 343, 344, 345, 352, 355; three courses from Philosophy 331, 332, 333, 431, 432; and 6 semester hours in one foreign language at the 111 level or above. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.

### 111. INTRODUCTION TO PHILOSOPHY

**3 semester hours**

Introduces students to the philosophical approach to an understanding of their world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

### 113. LOGIC

**3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

### 115. ETHICS

**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles is made to specific situations in which moral choices are made by individuals and policy-making bodies.

### 331. ANCIENT PHILOSOPHY

**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

### 332. MEDIEVAL PHILOSOPHY

**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

### 333. MODERN PHILOSOPHY

**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

### 341. PHILOSOPHY OF LAW

**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

### 342. PHILOSOPHY AND SOCIETY

**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when persons are the object of investigation.

### 343. AGES AND STAGES OF LIFE

**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

**344. PHILOSOPHY OF SCIENCE****3 semester hours**

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

**345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM****3 semester hours**

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and women in sports.

**352. EASTERN PHILOSOPHY****3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tzu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

**355. PHILOSOPHY OF RELIGION****3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

**431. CONTEMPORARY PHILOSOPHY****3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Surveys the changing landscape of philosophy in this volatile century and introduces students to some of the key figures who have shaped that landscape.

**432. AMERICAN PHILOSOPHY****3 semester hours**

Focuses on the development of American pragmatism in the late 19th and early 20th Centuries, and on how pragmatism was influenced by the ideas of Darwin and his successors. Special attention is given to the work of William James. Also discussed are the pragmatists C.S. Peirce and John Dewey, as well as some opponents of pragmatism (such as Josiah Royce and Bertrand Russell). No prerequisites, but some background in philosophy is strongly recommended.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****PHYSICAL EDUCATION, HEALTH AND LEISURE**

*Chair, Department of Health, Physical Education and Leisure:*

Professor Brown

*Professor:* A. White

*Associate Professors:* Parham, Beedle

*Assistant Professors:* Morningstar, Baker, Jones, Calhoun, Burton, K. Carden, Myers, Drummond, Hart

*Instructors:* Leonard, Fisher, Hicks, Worst, Brewer

*Part-time Instructors:* Gray, Wellford

**Physical Education Major**

A major in Physical Education requires: HPEL 161, 162, 211, 221, 263, 310, 321; one course from HPEL 342, 343, 344, 345; HPEL 360, 363, 365,



410, 411, 422, 423. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

A minor in Physical Education requires HPEL 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Sports Medicine requires Biology 161, 162, HPEL 221, 321, 424, 481 (3 semester hours).

A minor in Physical Education with a coaching concentration requires HPEL 211, 221, 310, 410; two courses from HPEL 342, 343, 344, 345, 347; and HPEL 461 (Seminar in Athletic Coaching — 3 semester hours).

## Health Education Major

A major in Health Education requires HPEL 120, 160, 211, 220, 322, 323, 410, 411, 412; Biology 161, 162; Psychology 332, 333, 415; and EDU 427 in addition to Education requirements for certification.

Physical Education endorsement for the Health Education major requires EDU 423 and 15 additional hours chosen from the required Physical Education certification courses.

## Leisure/Sports Management Major

A major in Leisure/Sports Management requires: HPEL 212, 221, 325, 326, 327, 410, 411, 422, 425, 481 (6 semester hours); Acct. 211, BA 302, 311, 323.

A minor in Leisure/Sports Management requires HPEL 212, 325, 326, 327, 410, 411.

<b>100. TENNIS AND BADMINTON</b>	<b>1 semester hour</b>
<b>101. HANDBALL AND RACQUETBALL</b>	<b>1 semester hour</b>
<b>102. ELEMENTARY GYMNASTICS</b>	<b>1 semester hour</b>
<b>103. DANCE SURVEY</b> (Same course as DAN 103. See DAN 103 for description.)	<b>2 semester hours</b>
<b>104. MODERN DANCE I</b> (Same course as DAN 104. See DAN 104 for description.)	<b>1 semester hour</b>
<b>105. GOLF AND ARCHERY</b>	<b>1 semester hour</b>
<b>106. BEGINNING SWIMMING</b> Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.	<b>1 semester hour</b>
<b>107. INTERMEDIATE TO ADVANCED SWIMMING</b> Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification.	<b>1 semester hour</b>
<b>108. ADVANCED LIFE SAVING AND WATER SAFETY</b> Provides knowledge and skill designed to save student's own life or the life of another; not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.	<b>1 semester hour</b>

**109. OVERLOAD CONDITIONING****1 semester hour**

Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.

**110. SNOW SKIING—BEGINNER TO ADVANCED****1-3 semester hours**

An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only). Extra fees required. (For details, consult Physical Education Department staff.)

**111. AEROBICS CONDITIONING****1 semester hour**

Progressive development of physiological fitness through aerobics conditioning activities designed to meet the needs of the individual student. Includes cardiovascular, flexibility and strength development.

**112. BALLET I****1 semester hour**

(Same course as DAN 112. See DAN 112 for description.)

**113. JAZZ DANCE I****1 semester hour**

(Same course as DAN 113. See DAN 113 for description.)

**114. DANCE IMPROVISATION****1 semester hour**

(Same course as DAN 114. See DAN 114 for description.)

**116. OUTWARD BOUND EXPERIENCE****1-3 semester hours**

Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world.

**117. EQUITATION I****1 semester hour**

Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee \$150.

**118. EQUITATION II****1 semester hour**

The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPEL 117 or permission of instructor. Special fee \$150.

**119. EQUITATION III****1 semester hour**

The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPEL 118 or permission of instructor. Special fee \$150.

**120. CONTEMPORARY HEALTH PROBLEMS****3 semester hours**

A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.

**160. FOUNDATIONS OF PHYSICAL ACTIVITY****2 semester hours**

The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.

**161, 162. LIFETIME SPORTS SKILLS LABORATORY****2 semester hours each semester**

Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only.

**201. MODERN DANCE II****2 semester hours**

(Same course as DAN 201. See DAN 201 for description.)

**202. BALLET II****2 semester hours**

(Same course as DAN 202. See DAN 202 for description.)

**203. JAZZ DANCE II****2 semester hours**

(Same course as DAN 203. See DAN 203 for description.)

**204. DANCE ENSEMBLE****1 semester hour**

(Same course as DAN 204. See DAN 204 for description.)

**208. WATER SAFETY INSTRUCTORS COURSE****2 semester hours**

Designed to teach students how to teach others swimming and lifesaving skills and aspects of First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.

**209. SKIN AND BASIC SCUBA DIVING****2 semester hours**

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION****3 semester hours**

An introductory study in the history of health education and physical education; philosophical, psychological, physiological, and sociological bases for activity.

**212. INTRODUCTION TO LEISURE/SPORTS MANAGEMENT****3 semester hours**

A fundamental introduction to leisure and sports management with emphasis on the role and relevance of each to society.

**220. FIRST AID****3 semester hours**

Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**221. SPORTS MEDICINE/FIRST AID (Majors Or Minors Only)****3 semester hours**

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**263. SPORTS SKILLS LABORATORY****2 semester hours**

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING****2 semester hours**

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

**310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING****3 semester hours**

Emphasis is placed upon qualities of persons, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

**321. KINESIOLOGY****3 semester hours**

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisites: BIO 161, 162.

**322. HEALTH OF THE BODY SYSTEMS****3 semester hours**

A study of the interdependency of body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases, immune system, dental health, and socio-cultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 161.

**323. NUTRITION AND SUBSTANCE ABUSE****3 semester hours**

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

**324. LEISURE AND AGING****3 semester hours**

Examines the needs and characteristics of the older adult as related to leisure needs. Focus

is on problems inherent in leisure service delivery systems for aging clientele. (HPEL 324 is the same as HUS 324.)

**325. COMMERCIAL LEISURE/SPORTS MANAGEMENT 3 semester hours**

The study, development and current role of the commercial leisure industry (including commercial sports management). Emphasis will be placed upon the recreation as well as economic relevance in modern society.

**326. LEISURE/SPORT FACILITIES AND MAINTENANCE MANAGEMENT 3 semester hours**

Designed to emphasize the necessity of proper planning and maintenance in the total leisure/sport management scheme; includes evaluation in planning, construction and operation of facilities.

**327. LEISURE/SPORT LEADERSHIP AND PROGRAMMING 3 semester hours**

The principles of leadership and group dynamics as they pertain to recreation, parks, commercial leisure and sports management. The components and application skills of leisure programming will be emphasized.

**342. METHODS OF COACHING FOOTBALL 2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

**343. METHODS OF COACHING BASKETBALL 2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

**344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL 2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

**345. METHODS OF COACHING SOCCER AND VOLLEYBALL 2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

**347. METHODS OF COACHING WRESTLING 2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

**360. METHODS AND MATERIALS FOR ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6) 3 semester hours**

Designed for elementary teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

**361. METHODS AND MATERIALS FOR MIDDLE SCHOOL PHYSICAL EDUCATION (6-9) 3 semester hours**

Designed for middle school teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

**363. METHODS AND MATERIALS OF GYMNASTICS 2 semester hours**

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized. Prerequisite: HPEL 162 or permission of instructor.

**365. METHODS AND MATERIALS OF DANCE 3 semester hours**

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels.

**366. DANCE CHOREOGRAPHY 3 semester hours**

(Same course as DAN 366. See DAN 366 for description.)

**367. HISTORY OF DANCE 3 semester hours**

(Same course as DAN 367. See DAN 367 for description.)



**410. ORGANIZATION AND ADMINISTRATION OF HEALTH,  
PHYSICAL EDUCATION AND ATHLETICS****3 semester hours**

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools, colleges and sport organizations.

**411. MEASUREMENT AND EVALUATION IN HPEL****3 semester hours**

Includes techniques of the administration of basic motor ability tests, and tests of associated and concomitant learnings in sport activities, fitness and health, and means of utilizing test data for specified purposes.

**412. CONSUMERISM AND COMMUNITY HEALTH****3 semester hours**

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.

**422. PHYSIOLOGY OF EXERCISE****4 semester hours**

The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 161, 162.

**423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD****3 semester hours**

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

**424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING****3 semester hours**

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training.

**425. OUTDOOR RECREATION SERVICES****3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

**461. SEMINAR IN ATHLETIC COACHING****3 semester hours****471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

**481. INTERNSHIP IN PHYSICAL EDUCATION****1-6 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

## PHYSICS

*Chair, Department of Physical Sciences: Professor F. Harris*

*Assistant Professor: Agnew*

*Instructor: Baunach*

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 421, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

**101. BASIC CONCEPTS OF PHYSICS****4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

**105. FUNDAMENTALS OF ASTRONOMY****4 semester hours**

Designed to meet partially the general requirements of the College. Topics to include celestial motions, astronomical tools, the solar system, stars and stellar evolution, galaxies, and cosmological models. Lectures, trips, outdoor observing, and laboratory experiences.

**111, 112. GENERAL PHYSICS I AND II****3 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

**113, 114. GENERAL PHYSICS I AND II WITH CALCULUS****3 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Prerequisite: MTH 121.

**115, 116. GENERAL PHYSICS LABS I AND II****1 semester hour each semester**

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

**201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION****3 semester hours**

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

**211, 212. MECHANICS AND HEAT****3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

**311, 312. ELECTROMAGNETISM AND OPTICS****3 semester hours each semester**

Fundamental concepts of electromagnetism. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 113, 114. Corequisite: MTH 121.

**391. INDEPENDENT STUDY****1 or 2 semester hours each semester**

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS****3 semester hours each semester**

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

**421, 422. ADVANCED LABORATORY****1 semester hour each semester**

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

**481. INTERNSHIP IN PHYSICS****1-3 semester hours**

## POLITICAL SCIENCE

*Chair, Department of Political Science and Public Administration: Associate Professor Taylor*

*Associate Professors: Long, Zarzar, Anderson, C. Brumbaugh*

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 312; Computer Information Systems 111; Economics 211; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 312; and 6 additional hours in Political Science.

**131. INTRODUCTION TO AMERICAN GOVERNMENT** 3 semester hours

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION** 3 semester hours

(Same course as PA 211. See PA 211 for description.)

**232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES** 3 semester hours

A study of the structure and functioning of the state and local government and its role within the federal system.

**241. INTERNATIONAL RELATIONS** 3 semester hours

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

**311. PUBLIC POLICY** 3 semester hours

(Same course as PA 311. See PA 311 for description.)

**331. COMPARATIVE POLITICS** 3 semester hours

A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.

**341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours

(Same course as HST 341. See HST 341 for description.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)

**343. THE AMERICAN PRESIDENCY** 3 semester hours

A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.

**352. POLITICAL THOUGHT** 3 semester hours

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of the instructor.

**353. MODERN POLITICAL THOUGHT** 3 semester hours

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.

**354. POLITICAL SOCIALIZATION** 3 semester hours

The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.

**356. DEMOCRACY AND TOTALITARIANISM** 3 semester hours

An examination of the origins, development and characteristics of democratic and totalitarian

ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.

**357. ELECTORAL BEHAVIOR**

**3 semester hours**

A study of the electoral process and an analysis of the determinants of voting behavior.

**358. PARTIES AND INTEREST GROUPS**

**3 semester hours**

A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.

**362. TOPICS IN THIRD WORLD POLITICS**

**3 semester hours**

Study of a selected topic pertinent to third world politics.

**420. WORKSHOP IN POLITICS**

**3 semester hours**

Personal experience in the political system of the U. S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

**441. WAR, PEACE AND CONFLICT RESOLUTION**

**3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

**481. INTERNSHIP IN POLITICAL SCIENCE**

**1-3 semester hours**

Prerequisites: PS 131 and 211.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## PSYCHOLOGY

*Chair, Department of Psychology:* Professor Granowsky

*Associate Professor:* Higgs

*Assistant Professors:* P. Kiser, Pickens, Fromson, McClearn, Pullium

*Instructor:* Cooksey

A major in Psychology requires Psychology 211, 432, 471; 3 courses from PSY 221, 241, 261 and MTH 265; plus an additional 21 semester hours from Psychology courses and/or Human Services 431, 435, PHL 343 or MTH 265.

A minor in Psychology requires Psychology 211, a course in statistics/methodology (Mathematics 265, Social Science 312 or Economics 246), plus 15 semester hours selected from Psychology courses and/or Philosophy 343, Human Services 431, 435.

**211. GENERAL PSYCHOLOGY**

**3 semester hours**

An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.

**221. INTRODUCTION TO BIOPSYCHOLOGY**

**3 semester hours**

This course will explore the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions, such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

**231. SOCIAL PSYCHOLOGY**

**3 semester hours**

This course will explore ways in which people behave in the actual or implied presence of others. Various theoretical and methodological issues will be presented, as will specific topics such as conformity, attraction, aggression, social perception and prejudice. Prerequisite: Psychology 211.



**241. APPLIED PSYCHOLOGY****3 semester hours**

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health psychology, industrial/organizational psychology, consumer psychology, engineering and environmental psychology, and psychology and law.

**261. EXPERIMENTAL PSYCHOLOGY****3 semester hours**

An introductory course on method and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, develop an experimental design, analyze data, and report findings. Prerequisite: Psychology 211.

**311. PSYCHOLOGY OF ADJUSTMENT****3 semester hours**

An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.

**315. PSYCHOLOGY OF WOMEN****3 semester hours**

This course will explore the psychological aspects of the issues and events of the female experience. Prerequisite: Psychology 211.

**321. EDUCATIONAL PSYCHOLOGY****3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence, motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisites: PSY 211.

**331. PSYCHOLOGY OF CHILDHOOD****3 semester hours**

The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child. Prerequisite: PSY 211.

**332. PSYCHOLOGY OF EXCEPTIONALITY****3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211.

**333. ABNORMAL BEHAVIOR****3 semester hours**

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

**341. PSYCHOLOGY OF ADOLESCENCE****3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality. Prerequisite: PSY 211.

**351. ADULT DEVELOPMENT****3 semester hours**

An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, affective, social, and spiritual). Prerequisite: PSY 211.

**371. SPECIAL TOPICS****3 semester hours****411. PSYCHOLOGICAL MEASUREMENT****3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational or counseling process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**415. HUMAN SEXUALITY****3 semester hours**

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy,

childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211.

**421. THEORIES OF PERSONALITY**

**3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY**

**3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisite: PSY 211.

**471. SENIOR SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Prerequisite: Senior Psychology Major or permission of instructor.

**481. INTERNSHIP IN PSYCHOLOGY**

**1-3 semester hours**

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to 3 semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only, faculty approval.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## PUBLIC ADMINISTRATION

*Chair, Department of Political Science and Public Administration: Associate Professor Taylor*

*Associate Professor: Brumbaugh*

A major in public Administration requires Public Administration 211, 311, 431, 471; Political Science 131, 232; Social Science 312; Accounting 211; Economics 211, 212; and Computer Information Systems 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; JMC 210; Economics 313, 321, 332; Business Administration 323, 325, 328; Recreation 322, 424, 425; and Political Science 343, 420, 471.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 131; and Business Administration 323 and 325.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION**

**3 semester hours**

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

**311. PUBLIC POLICY**

**3 semester hours**

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

**351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION**

**3 semester hours**

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

**431. POLICY ANALYSIS AND PROGRAM EVALUATION**

**3 semester hours**

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Advanced topics selected to meet the needs of the students who have completed most of their

study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

**481. INTERNSHIP IN PUBLIC ADMINISTRATION** **1-6 semester hours**

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

**491. INDEPENDENT STUDY** **1-3 semester hours**

## RELIGION

*Chair, Department of Religion:* Professor Pace

*Professors:* W. Rich, Chase

*Assistant Professors:* McBride, Wilson, Pugh

*Part-time Instructor:* Montgomery

A major in Religion requires Religion 111, 112, 121, 131, 141, and 21 semester hours of additional Religion courses (at least 18 semester hours at the 300-400 level), and six semester hours of a foreign language at the 111 level or above. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

**111. INTRODUCTION TO THE OLD TESTAMENT** **3 semester hours**

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

**112. INTRODUCTION TO THE NEW TESTAMENT** **3 semester hours**

The rise and development of Christianity and its literature.

**121. WORLD RELIGIONS** **3 semester hours**

The origin and historical development of selected religious traditions.

**131. RELIGIOUS THINKING** **3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

**141. RELIGIOUS VALUES AND DECISION MAKING** **3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

**251. RELIGION STUDIES ABROAD** **3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

**321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST** **3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

**322. OLD TESTAMENT PROPHETS** **3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

**323. WISDOM LITERATURE** **3 semester hours**

This course examines the nature, history, and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes, and some Psalms. Current views of Old Testament scholars are also examined. Prerequisites: Junior or senior status, or permission of instructor.

**326. THE WRITINGS OF PAUL** **3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

**327. THE GOSPEL OF JOHN****3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

**328. THE SYNOPTIC GOSPELS****3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

**334. MODERN RELIGIOUS THINKERS****3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

**336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH****3 semester hours**

This course examines the influence of Christianity in a socio-cultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies, and decisions will be examined. Prerequisite: Junior or senior status, or permission of instructor.

**338. TYPES OF THEOLOGY****3 semester hours**

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world. Prerequisite: Junior or senior status or permission of the instructor.

**341. CHRISTIAN ETHICS****3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

**345. THEOLOGY OF HUMAN LIBERATION****3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**347. WOMEN AND RELIGION****3 semester hours**

The impact which religion past and present, had and is having on women in the home, church, and society will be examined. Likewise, the impact which women, past and present have had on religion, religious thought, and religious institutions will be considered. Prerequisite: Junior or senior status or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## SCIENCE EDUCATION

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

### Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or



Physics listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, 112, (or higher), Geography 121, Chemistry 103 and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221, 321, 322, 411

**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

### **Secondary Science Certification**

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103, and Physics 102.

**Biology** 111, 113, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 113, 114, 221, 321, 322, 411

**Physics** 111, 112, 115, 116, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Systems 111.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

## **SOCIAL SCIENCE**

*Chair, Department of Social Sciences:* Professor T. Henricks

*Professors:* Delp, G. Troxler, Crowe, C. Troxler

*Associate Professors:* Long, Toney, Taylor, Zarzar, Brumbaugh, Basirico

*Assistant Professors:* Cates, Arcaro, Midgett, Welch, Ireland, Nicassio

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

### **312. RESEARCH METHODS**

**3 semester hours**

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

## **SOCIOLOGY**

*Chair, Department of Sociology:* Professor T. Henricks

*Associate Professors:* Basirico, Arcaro

*Assistant Professor:* Bolin

A major in Sociology requires Sociology 111, 311 or 345, 112 or 321, 351,

485, plus 18 semester hours of additional Sociology courses; Computer Information Systems 111; Mathematics 265; Social Science 312.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses.

### **111. INTRODUCTORY SOCIOLOGY**

**3 semester hours**

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

### **112. ANTHROPOLOGY**

**3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

### **211. SOCIAL PROBLEMS**

**3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

### **311. THE FAMILY**

**3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

### **313. CRIME AND DELINQUENCY**

**3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

### **321. CULTURAL ANTHROPOLOGY**

**3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

### **331. THE SELF AND SOCIETY**

**3 semester hours**

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity, and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisites: SOC 111.

### **333. SOCIAL STRATIFICATION**

**3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

### **341. ETHNIC AND RACE RELATIONS**

**3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

### **343. SOCIAL AND CULTURAL CHANGE**

**3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various

sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

#### **344. SOCIAL DEVIANCE**

**3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 11.

#### **345. SOCIOLOGICAL PERSPECTIVES ON WOMEN & MEN**

**3 semester hours**

Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: Sociology 111.

#### **351. SOCIOLOGICAL THEORY**

**3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

#### **471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

#### **481. INTERNSHIP IN SOCIOLOGY**

**1-3 semester hours**

Limited to 3 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

#### **485. SENIOR SEMINAR IN SOCIOLOGY**

**3 semester hours**

A capstone experience for sociology majors during their final year of college work. Students will participate in a review and creative synthesis of central themes of the discipline as well as in an evaluation of their sociological skills/knowledge and personal objectives. In addition, each student will develop and present formally a work of original scholarship. Prerequisite: Senior standing as sociology major or permission of instructor.

#### **491. INDEPENDENT STUDY**

**1-3 semester hours**

## **THEATRE**

*Chair, Department of Fine Arts: Professor Myers*

*Assistant Professors: Drtina, Rubeck*

#### **101. INTRODUCTION TO THEATRE**

**3 semester hours**

An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final product.

#### **210. THEATRE WORKSHOP**

**1-3 semester hours**

A practicum in all aspects of theatre production. Students must arrange a learning contract with the instructor at the beginning of each term.

#### **211. STAGECRAFT**

**3 semester hours**

The basic theory and practice of set construction, including drafting skills and the basic elements of design. A weekly lab is required.

#### **220. FUNDAMENTALS OF ACTING**

**3 semester hours**

Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and the sense of the operative theatre.

#### **310. ADVANCED THEATRE WORKSHOP**

**1-3 semester hours**

An advanced practicum in theatre for those students who have significant experience in theatre production through course work or participation in department productions. *Students must have permission of instructor.*

**312. LIGHTING DESIGN****3 semester hours**

The theory and practice of the aesthetics of stage lighting design and the process of lighting the stage space.

**320. INTERMEDIATE ACTING****3 semester hours**

An exploration of the various techniques of analysis, rehearsal and performance with particular emphasis upon scene study.

**330. PLAY PRODUCTION****3 semester hours**

A study of the work of the theatrical director. With script analysis as the cornerstone of the decision-making process, students will follow the sequence required to produce a play. Prerequisite: TH 210, 220 or permission of instructor.

## WOMEN'S STUDIES

*Coordinator:* Professor Smith

A minor in Women's Studies requires 15 hours chosen from WS 211, Economics 317, English 333, History 347, Philosophy 345, Psychology 315, Religion 347, Sociology 345, and WS 371-79. In addition WS 411 is required as a senior seminar.

**211. INTRODUCTION TO WOMEN'S STUDIES****3 semester hours**

A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.

**371. TOPICS IN WOMEN'S STUDIES****3 semester hours****411. SEMINAR: FEMINIST STUDIES****3 semester hours**

Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political, and literary topics, using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and 3 courses in Women's Studies.

**ECO 317. THE ECONOMICS OF WOMEN****3 semester hours**

(See ECO 317 for description)

**ENG 333. FEMINIST APPROACHES TO LITERATURE****3 semester hours**

(See ENG 333 for description)

**HST 347. HISTORY OF WOMEN IN THE U.S.****3 semester hours**

(See HST 347 for description)

**PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM****3 semester hours**

(See PHL 345 for description)

**PSY 315. PSYCHOLOGY OF WOMEN****3 semester hours**

(See PSY 315 for description)

**REL 347. WOMEN AND RELIGION****3 semester hours**

(See REL 347 for description)

**SOC. 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN****3 semester hours**

(See SOC 345 for description)



# Directory and Appendices

## Officers of the Corporation

Royall H. Spence, Jr., D.C.S., — *Chairman of the Board*  
Wallace L. Chandler, J.D., D.C.S. — *Vice Chairman*  
J. Fred Young, Ed.D. — *President of the College*  
Thomas E. Powell, III, M.D. — *Secretary*  
Robert E. Poindexter — *Treasurer*  
Warren L. Board, Ph.D., — *Asst. Secretary and Asst. Treasurer*

## Board of Trustees

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Sherrill G. Hall — Greensboro, NC  
William A. Hawks — Burlington, NC  
Maurice Jennings — Burlington, NC  
Iris McEwen McCrary — Burlington, NC  
J. Hinton Rountree — Ft. Pierce, FL

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A. G. Thompson — Lincolnton, NC

### Terms Expiring May 31, 1993

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Joseph M. Copeland — Portsmouth, VA  
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Emily Harris Preyer — Greensboro, NC  
C. Max Ward — Burlington, NC

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Rollin O. Russell, D.Min. — Conference Minister, Southern Conference  
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Hon. Mills E. Godwin, Jr., LL.B. — Trustee Emeritus  
J. Harold Smith — Trustee Emeritus  
Frances C. Wilkins — Trustee Emeritus

### Faculty, 1988-1989

Jerome R. Adams, 1984\*, *Assistant Professor of English*  
A.B., Ph.D., University of North Carolina  
Jimmie D. Agnew, 1985, *Assistant Professor of Science Education*  
B.A., George Washington University; M.S.S.T., Ph.D., The American University  
Mark R. Albertson, 1980, *Assistant Professor; Registrar*  
B.B.A., Fort Lauderdale University  
J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
B.S., M.A., Appalachian State University; M.S., New Mexico State University  
Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science; Assistant to the President*  
B.A., St. Andrews Presbyterian College; M.A., Ph.D. candidate, American University  
Andrew J. Angyal, 1976, *Associate Professor of English*  
B.A., Queens College, CUNY; M.A., Yale University; Ph.D., Duke University  
Thomas E. Arcaro, 1985, *Assistant Professor of Sociology*  
B.A., Ohio State University; M.S., Ph.D., Purdue University  
Malvin N. Artley, 1963, *Part-time Professor of Music*  
B.Mus., Shenandoah Conservatory of Music; M.Mus., Cincinnati Conservatory; D.F.A., Chicago Musical College, Roosevelt University  
Austin, Kenneth E., 1988, *Instructor in Economics*  
B.A., The American University; M.A., University of Stockholm, Sweden; Graduate Studies, University of North Carolina at Chapel Hill

- Robert A. Bailey, 1984, *Assistant Professor of Physical Education and Health; Assistant Football Coach*  
B.S., M.A.Ed., East Carolina University
- Martin H. Baker, 1980, *Assistant Professor of Physical Education and Health; Athletic Trainer*  
B.S., SUNY at Brockport; M.S., Indiana State University
- Steven J. Ballard, 1977, *Assistant Professor of Physical Education and Health; Soccer Coach*  
B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Associate Professor of Sociology*  
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Charles C. Bass, 1987, *Instructor in Economics*  
B.A., Graduate Studies, University of North Carolina at Chapel Hill
- Lynne G. Baunach, 1986, *Instructor in Chemistry*  
B.A., Goucher College; M.S., Fairleigh Dickinson University; Ph.D. candidate, University of North Carolina at Chapel Hill
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
A.B., Elon College; J.D. Duke University
- Barry B. Beedle, 1978, *Associate Professor of Physical Education and Health*  
B.S., M.S., Mississippi State University; Ed. D., University of Mississippi
- Richard L. Behrman, 1987, *Part-Time Assistant Professor of Business Administration*  
B.B.A., Iona College; M.B.A., New York University
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
A.B., Elon College; M.A., University of North Carolina
- Robert G. Blake, 1968, *William S. Long Professor of English*  
A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Professor of English; Director of Honors Program*  
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- Warren L. Board, 1986, *Professor of Social Science, Vice President of Academic and Student Affairs*  
B.A., University of Idaho; M.A., University of Denver; Ph.D., Syracuse University
- David L. Bodle, 1985, *Assistant Professor of Physical Education and Health; Assistant Football Coach*  
B.S., Penn State University; M.Ed., University of Georgia
- Anne Bolin, 1988, *Assistant Professor of Sociology*  
B.A., M.A., Ph.D., University of Colorado, Boulder
- Mark W. Bowers, 1986, *Assistant Professor of Military Science*  
B.A., Furman University; M.A., Brenau College
- K. Wilhelmina Boyd, 1987, *Assistant Professor of English*  
B.A., Bennett College; M.A., North Carolina Central University

- Barry A. Bradberry, 1975, *Assistant Professor; Associate Dean of Admissions and Financial Planning*  
A.A., Chowan College; A.B., Elon College; M.Ed., University of North Carolina at Greensboro
- David A. Bragg, 1970, *Professor of Music*  
B.S., Concord College; M.M.E., Ph.D., Florida State University
- Wesley G. Brogan, 1979, *Professor of Education and Human Services; Associate Dean of Academic Affairs; Chair, Department of Education*  
A.B., Dickinson College; M.Div., Duke University; M.Ed., Ph.D., University of North Carolina
- Eugene H. Brooks, *Associate Professor of Accounting*  
A.B., Duke University; M.B.A., Ph.D., University of North Carolina at Chapel Hill
- Janie P. Brown, 1967, *Professor of Physical Education and Health; Chair, Department of Health, Physical Education and Leisure/Sports Management*  
B.S., Wake Forest University; M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- Jeffrey A. Brown, 1987, *Part-Time Assistant Professor of Music*  
B.M., Appalachian State University; M.M., University of Kansas; D.M.A. studies, Indiana University, University of North Carolina at Greensboro
- Peter F. Brucato, Jr., 1988, *Assistant Professor of Business Administration and Economics*  
A.B., M.A., Ph.D., Duke University
- Chalmers S. Brumbaugh, 1986, *Associate Professor of Political Science*  
B.A., College of Wooster; M.A., Ph.D., University of Wisconsin
- Pamela P. Brumbaugh, 1986, *Assistant Professor; Director of Experiential Education*  
B.S., College of Wooster; M.S., University of Wisconsin
- Robert J. Burton, Jr., 1986, *Assistant Professor of Physical Education; Men's Basketball Coach*  
B.A., Emory and Henry College; M.S., Virginia Tech
- Ann S. Butler, 1979, *Instructor in English*  
A.B., M.Ed., University of North Carolina at Greensboro
- Deborah W. Caldwell, 1988, *Assistant Professor of Accounting*  
B.S., M.S., C.P.A., University of North Carolina at Greensboro
- Michael L. Calhoun, 1985, *Assistant Professor of Physical Education and Health*  
B.S., Hardin-Simmons University; M.S., Ed.D., Brigham Young University
- Karen R. Carden, 1979, *Assistant Professor of Physical Education; Director of Intramural Athletics;*  
A.B., Elon College; M.Ed., University of North Carolina at Greensboro, C.P.M.
- Lonnie Mack Carden, 1977, *Assistant Professor of Physical Education and Health; Head Football Coach*  
A.B., Elon College; M.A., Appalachian State University
- J. Albert Carpenter, 1983, *Assistant Professor of Computing Information Science and Mathematics*  
A.A., Montgomery College; B.S., University of Maryland; M.S., Graduate Studies, University of Tennessee



- Anne C. Cassebaum, 1985, *Assistant Professor of English, Director of Transitional Program*  
B.A., Cornell University; M.A., Columbia University
- D. Brooks Cates, 1964, *Assistant Professor of Geography*  
A.B., University of North Carolina; M.A., East Carolina University; Ph.D., University of North Carolina
- Carole F. Chase, 1976, *Associate Professor of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
- Jeffrey W. Clark, 1988, *Assistant Professor of Mathematics*  
B.S., M.S., Ph.D., Yale University
- Allin F. Cottrell, 1985, *Assistant Professor of Economics; Chair, Department of Economics*  
First Degree, Oxford University; Ph.D., University of Edinburgh
- Patty J. Cox, 1987, *Assistant Professor of Accounting*  
B.S., M.S., University of North Carolina at Greensboro, C.P.A.
- David M. Crowe, Jr., 1977, *Professor of History; Chair, Department of History*  
B.A., Southeastern Louisiana College; M.A., Mississippi State University; Ph.D., The University of Georgia
- J. Earl Danieleley, 1946, *Thomas E. Powell, Jr., Professor of Chemistry; Director of Planned Giving*  
A.B., Elon College; M.A., Ph.D., University of North Carolina; Postdoctoral Study, The Johns Hopkins University; Sc.D., Catawba College; LL.D., Campbell University
- Robert W. Delp, 1968, *Part-time Professor of History*  
B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A., Ph.D., The George Washington University; Duke University
- James P. Drummond, 1987, *Assistant Professor of Recreation*  
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B.A., Wake Forest University; Graduate Studies, University of North Carolina at Chapel Hill
- Helen H. Euliss, 1969, *Part-time Associate Professor of English*  
B.S., Appalachian State University; M.A., Graduate Studies, University of North Carolina
- Hugh M. Fields, 1970, *Associate Professor of Biology*  
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- Gerald L. Francis, 1974, *Professor of Mathematics and Computing Sciences; Dean of Academic Affairs*  
B.S., M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
- Paul M. Fromson, 1986, *Assistant Professor of Psychology*  
B.A., Amherst College; M.S., Ph.D., George Peabody College for Teachers at Vanderbilt University
- Michael Gaffigan, 1985, *Instructor in English*  
B.S., Appalachian State University; M.A., Western Carolina University; Doctoral Studies, University of North Carolina
- Kathleen K. Gallucci, 1984, *Instructor in Biology; Coordinator of Freshman*

*Biology Labs*

- B.S., Le Moyne College; M.S., University of North Carolina  
Daniel J. Gibney, 1986, *Assistant Professor of Accounting & Business Administration*  
B.S., Robert Morris College; M.B.A., West Virginia University; C.P.A.  
Gerald M. Gibson, (1979\*), 1988, *Assistant Professor of Communications*  
B. A., North Carolina State University; M.A., University of North Carolina at Greensboro;  
Russell B. Gill, 1976, *Professor of English*  
A.B., College of William and Mary; M.A., Ph.D., Harvard University  
E. Eugene Gooch, 1988, *Assistant Professor of Chemistry*  
B.S., Carson-Newman; Ph.D., University of Tennessee, Knoxville  
Barbara L. Gordon, 1987, *Assistant Professor of English; Director of Writing Program*  
B.A., State University College at Oswego, New York; Ed.M., Ph.D. State University of New York at Buffalo  
Arlene Goter, 1983, *Assistant Professor of Music*  
B.Mus., M.Mus., D.Mus., Indiana University  
Don A. Grady, 1985, *Assistant Professor of Communications; Chair, Department of Communications*  
B.A., North Carolina State University; M.A., University of North Carolina  
Seena A. Granowsky, 1975, *Professor of Psychology and Human Services; Chair, Department of Psychology*  
B.S., Tufts University; M.S., Vassar College; Ed.D., Duke University  
Patricia J. Gray, 1980, *Part-time Instructor in Physical Education and Fine Arts*  
B.S., M.F.A., University of North Carolina at Greensboro  
Eugene B. Grimley, 1987, *Professor of Chemistry; Chair, Department of Chemistry*  
B.A., Olivet College; Ph.D., University of Iowa  
E. Franklin Harris, 1967, *Professor of Physics; Chair, Department of Physics*  
A.B., Elon College; M.A., Wake Forest University; Ph.D., University of North Carolina  
Nancy E. Harris, 1981, *Associate Professor of Biology*  
B.S., University of North Carolina; B.S., Ph.D., North Carolina State University  
Rosemary A. Haskell, 1985, *Assistant Professor of English*  
B.A., University of Durham, England; M.A., Clark University; Ph.D., University of North Carolina  
Richard C. Haworth, 1974, *Professor of Mathematics; Chair, Department of Mathematics*  
B.S., Wake Forest University; M.A.T., Duke University; M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University  
John M. Hemphill, Jr., 1988, *Associate Professor of Education*  
B.A., University of North Carolina at Greensboro; M.Ed., Clemson University; Ph.D., Florida State University  
Judy S. Henricks, 1977, *Part-time Instructor in Art*  
B.A., University of Illinois; M.F.A., University of North Carolina at Greensboro

- Thomas S. Henricks, 1977, *Associate Professor of Sociology; Chair, Department of Sociology*  
 B.A., North Central College; M.A., Ph.D., University of Chicago
- John C. Herold, 1985, *Assistant Professor of English*  
 B.A., Harpur College; M.A., Northwestern University; Ph.D., State University of New York at Buffalo
- Howard R. Higgs, 1977, *Associate Professor of Human Services and Psychology; Chair, Department of Human Services*  
 B.A., Greensboro College; M.A., Ph.D., University of North Carolina at Greensboro
- Vicki V. Hightower, (1984\*), 1986, *Assistant Professor of Computing Sciences*  
 B.S., M.A.T., Michigan State University; M.S., University of Evansville
- William L. Hightower (1981\*), 1986, *Professor of Computing Sciences; Chair, Department of Computing Sciences*  
 B.A., Kalamazoo College; M.S., Ph.D., Graduate Studies, Michigan State University
- B. Bryan Hilliard, 1988, *Instructor in Philosophy*  
 B.A., Elon College; M.A., Graduate Studies, University of Tennessee, Knoxville
- Cheryl T. Holt, 1976, *Part-time Instructor in Mathematics*  
 A.B., Elon College
- Richard A. Hood, 1987, *Assistant Professor of English*  
 B.A., Wesleyan University; M.A., University of Chicago; Ph.D., University of Rochester
- Herbert W. House, Jr., 1977, *Professor of Biology; Chair, Department of Biology and Allied Health*  
 B.S., Wake Forest University; M.S., Ph.D., University of South Carolina
- Rebecca O. House, 1978, *Part-time Instructor in English*  
 B.A., Meredith College; M.Ed., University of North Carolina
- Harry L. Howren, 1985, *Assistant Professor of Business Administration*  
 B.A., M.B.A., Jacksonville State University; Doctoral Studies, University of Alabama
- Michael P. Hudson, Jr., 1982, *Part-time Instructor in Computing Sciences*  
 A.B., Elon College; M.B.A., University of North Carolina at Greensboro
- Robert G. Humphries, 1985, *Assistant Football Coach; Assistant Professor of Physical Education and Health*  
 B.S., Gardner Webb College; M.Ed. Candidate, Livingston University
- Marvin W. Hunt, 1988, *Assistant Professor of English*  
 B.A., M.A., East Carolina University; Ph.D., University of North Carolina at Chapel Hill
- Robert E. Ireland, 1988, *Assistant Professor of History*  
 B.A., University of Maine; M.A., University of Wyoming; Ph.D., University of Maine
- Charlie R. Jackson, 1985, *Assistant Professor of Military Science*  
 B.S., Florida A&M University; Captain, U.S. Army
- Nancy N. Johnson, 1988, *Assistant Professor; Director of Career Planning*  
 A.B., Elon College; M.Ed., University of North Carolina at Greensboro
- William Ray Johnson, 1984, *Assistant Professor of Communications; Co-*

- ordinator of Television Services.  
B.A., Appalachian State University; M.Ed., University of North Carolina at Greensboro
- Charles Richard Jones, 1984, *Assistant Professor of Physical Education and Health; Head Baseball Coach*  
B.A., University of North Carolina at Wilmington; M.S., North Carolina A. & T. University
- P. Alston Jones, Jr., 1982, *Assistant Professor; Head Librarian and Director of Learning Resources*  
B.Mus., East Carolina University; M.S., Drexel University
- Connie L. Keller, 1980, *Assistant Professor; Assistant Librarian for Technical Services*  
B.A., Illinois Wesleyan University; M.A., University of Iowa
- William C. Keith, Jr., 1986, *Instructor in Music; Director of Band*  
B.M., East Carolina University; M.M., University of North Carolina at Greensboro
- Jeff S. Kinard, 1983, *Part-time Instructor in Art*  
B.F.A., M.F.A., University of North Carolina at Greensboro
- Robert Burns King, 1981, *Part-time Instructor in Organ; College Organist*  
B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany; Prix de Virtuosite, Schola Cantorum, Paris
- Nina Patricia Kinney, 1986, *Instructor in Communications*  
B.A., Converse College; M.A., University of Georgia
- Pamela M. Kiser, 1981, *Assistant Professor of Human Services and Psychology*  
B.A., Wake Forest University; M.S., University of North Carolina
- Ronald A. Klepcyk, 1978, *Assistant Professor; Dean of Student Affairs*  
B.S., M.Ed., Kent State University
- Beth Kraig, 1987, *Assistant Professor of History*  
B.A., San Francisco State University; M.A., Western Washington University; M.A., University of Chicago; Ph.D., University of Washington
- Kathryn H. Larson, 1987, *Assistant Professor of Economics*  
B.S., University of Wisconsin; M.A., Columbia University; Graduate Studies, Iowa State University
- Susan E. Leonard, 1988, *Women's Volleyball and Softball Coach; Instructor in Physical Education*  
M.S., M.S.Ed., James Madison University
- Teresa LePors, 1981, *Assistant Professor; Assistant Librarian for Public Services*  
B.A., M.S., University of North Carolina
- Michael E. Lewis, 1985, *Assistant Professor of Music, Director of Emanons*  
B.M.E., Hastings College; M.M.E., North Texas State University; D.M.A. in progress, North Texas State University
- Robert D. Lindsey, 1986, *Instructor in Physical Education and Health, Assistant Football Coach*  
B.S., Kansas State University; M.Ed., Tennessee Tech
- Carol M. Link, 1986, *Part-time Instructor in Music and College Accompanist*  
B.M., Salem College; M.M., University of North Carolina at Greensboro



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 B.A., M.A., West Virginia University; M.Div., Yale University Divinity School
- Anne E. Lundquist, 1988, *Instructor in English*  
 B.A., Albion College; M.F.A., Western Michigan University
- Ernest J. Lunsford, 1981, *Associate Professor of Spanish*  
 B.A., Duke University; M.A., Middlebury College; Ph.D., University of Florida
- Kathy J. Lyday-Lee, 1982, *Assistant Professor of English*  
 B.A., M.A., Tennessee Technological University; Ph.D., University of Tennessee
- Helen H. Mackay, 1976, *Assistant Professor of English*  
 B.A., M.A., Ph.D., University of North Carolina at Greensboro
- Betty J. Maness, 1976, *Assistant Professor of Education and English*  
 B.A., M.Ed., University of North Carolina at Greensboro; Graduate Studies, University of North Carolina at Chapel Hill
- Thomas K. Manning, 1987, *Part-Time Instructor in Business Administration*  
 B.S., Ohio State University; M.B.A., University of North Carolina at Chapel Hill
- Richard W. McBride, 1984, *Assistant Professor of Religion; College Chaplain; Coordinator of Personal Counseling*  
 B.S.Ed., University of Virginia; M.Div., Union Theological Seminary, New York; Th.M., Duke University
- Larry B. McCauley, Sr., 1968, *Assistant Professor; Director of Construction and Special Projects*  
 A.B., Elon College; M.A., University of North Carolina
- Duane G. McClearn, 1986, *Assistant Professor of Psychology*  
 B.A., M.A., Ph.D., University of Colorado
- Robie W. McClellan, 1980, *Associate Professor of Business Administration*  
 B.A., University of North Carolina; M.B.A., Ed.D., University of North Carolina at Greensboro
- Nancy S. Midgette, 1986, *Assistant Professor of History*  
 B.A., M.A., North Carolina State University; Ph.D., University of Georgia
- John F. Mitchell, 1981, *Associate Professor of Business Administration;*  
 A.B., M.B.A., Dartmouth College
- H. Reid Montgomery, 1978, *Part-time Instructor in Religion*  
 A.B., Elon College; B.D., Union Theological Seminary, Virginia: S.T.M. New York Theological Seminary; D.Min., Columbia Theological Seminary
- T. William Morningstar Jr., 1972, *Assistant Professor of Physical Education and Health; Golf Coach; Director of Athletic Fund Raising*  
 A.B., Elon College; M.A., Lynchburg College
- James L. Murphy, 1984, *Assistant Professor of Mathematics and Computing Sciences*  
 B.S., Campbell College; M.S., University of Evansville
- Clair F. Myers, 1988, *Professor of Fine Arts; Associate Dean of Academic Affairs; Chair, Department of Fine Arts*  
 B.A., Ohio Northern University; M.A., Ph.D., University of Michigan
- Jacqueline M. Myers, 1985, *Assistant Professor of Physical Education and*

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 B.S., Elon College; M.A., East Tennessee State University  
 Don Oehler, 1987, *Part-Time Associate Professor of Music*  
 Juilliard School of Music  
 Donna H. Oliver, 1988, *Associate Professor of Education; Assistant Director of Leaders for the 21st Century*  
 A.B., Elon College; M.Ed., University of North Carolina at Greensboro; M.Ed., A & T State University  
 E. Eugene Oliver, 1981, *Associate Professor of Accounting*  
 A.B., M.B.A., George Washington University; Ed.D., University of North Carolina at Greensboro  
 Kevin J. O'Mara, 1988, *Assistant Professor of Business Administration*  
 B.A., University of Texas at Austin; M.B.A., University of Houston; Graduate Studies, University of North Carolina at Chapel Hill  
 James H. Pace, 1973, *Professor of Religion; Chair, Department of Religion*  
 A.B., Birmingham-Southern College; M.Div., Ph.D., Emory University  
 E. Thomas Parham, 1985, *Associate Professor of Physical Education and Health; Assistant Athletic Director; Tennis Coach*  
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 B.A., Ohio State University; Ph.D., University of Tennessee  
 Barbara T. Plumblee, 1979, *Assistant Professor of Computing Sciences*  
 A.B., Elon College; M.S., Graduate Studies, University of North Carolina  
 Robert E. Poindexter, 1986, *Assistant Professor; Vice President for Administrative Services*  
 B.S., M.A., Western Carolina University  
 Jeffrey C. Pugh, 1986, *Assistant Professor of Religion*  
 B.S., Ferrum College; M.Div., Wesley Theological Seminary; M.Phil., Ph.D., Drew University  
 Rita M. Pullium, 1988, *Assistant Professor of Psychology*  
 B.A., M.A., Ph.D., University of the Philippines  
 R.D. Rao, 1969, *Professor of Biology; Coordinator of Radiologic Technology*  
 B.S., Osmania University; M.S., Ph.D., North Carolina State University  
 George A. Rasmussen, 1986, *Associate Professor of Communications*  
 B.S., Canisius College; Ed.M., Boston State College  
 Rosalind R. Reichard, 1984, *Associate Professor of Mathematics*  
 B.A., Harpur College, New York; M.S., Ph.D., Michigan State University  
 Lela Faye Rich, 1977, *Assistant Professor of History; Director of Pre-major Advising*  
 B.A., Wake Forest University; M.A.T., Duke University  
 William G. Rich, 1977, *Professor of Religion; Director of General Studies; Director of Studies Abroad; Associate Dean of Academics Affairs*  
 B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University

- Janice Little Richardson, 1983, *Assistant Professor of Mathematics*  
 B.A., University of North Carolina; M.A., Wake Forest University
- Gerardo Rodriguez, 1982, *Associate Professor of Spanish; Chair, Department of Foreign Languages*  
 M.A., Normal Superior Benavente, Puebla, Mexico; Ph.D., University of Madrid, Spain
- Jane W. Romer, 1986, *Assistant Professor of Foreign Languages*  
 A.B., East Carolina College; M.A., Ph.D., University of North Carolina at Chapel Hill
- Fredrick J. Rubeck, 1988, *Assistant Professor of Fine Arts*  
 B.F.A., Illinois Wesleyan University; M.F.A., University of Nebraska, Lincoln
- Michael E. Sanford, 1988, *Assistant Professor of Fine Arts*  
 B.A., Guilford College; M.F.A., University of North Carolina at Greensboro
- Martin L. Sholtzberger, 1980, *Jefferson-Pilot Professor of Business Administration*  
 B.S.B.A., M.S.B.A., University of Richmond; Ph.D., Ohio State University; LL.D., University of Richmond
- Lawrence H. Simon, 1976, *Professor of Education*  
 B.A., M.A.T., University of North Carolina; Ed.D., University of North Carolina at Greensboro
- W. David Sissom, 1986, *Assistant Professor of Biology*  
 B.S., M.S., Texas Tech University; Ph.D., Vanderbilt University
- M. Douglas Smith, 1988, *Instructor in English*  
 B.A., East Carolina University; M.F.A., Bowling Green State University
- Martha S. Smith (1964\*), 1970, *Professor of English; Chair, Department of English*  
 A.B., Winthrop College; M.A., Presbyterian School of Christian Education; M.A., Ph.D., University of North Carolina
- Joanne C. Soliday, 1980, *Assistant Professor; Dean of Admissions and Financial Planning*  
 B.A., West Virginia Wesleyan College; M.Ed., University of North Carolina
- Joyce E. Speas, 1978, *Associate Professor of Mathematics and Education*  
 B.A., Mars Hill College; M.Ed., University of North Carolina at Greensboro
- John G. Sullivan, 1970, *Maude Sharpe Powell Professor of Philosophy; Chair, Department of Philosophy*  
 B.A., M.A., Catholic University; J.C.D., Lateran University; Ph.D., University of North Carolina
- Timothy E. Sullivan, 1987, *Assistant Professor of Economics*  
 B.A., Eastern Illinois University; M.S., Ph.D., University of Illinois
- Connie Tanczo, *Part-time Instructor in English & Communications*  
 B.S., M.A., M.S., Iowa State University
- George A. Taylor, 1979, *Associate Professor of Political Science and Public Administration; Chair, Department of Political Science and Public Administration*  
 B.S., Baptist College of Charleston; M.A., Ph.D., University of Georgia
- John H. Teague, 1987, *Instructor in English*  
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 Ph.D., Florida State University
- W. Scott Thomson, 1986, *Assistant Professor of Education*  
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 Florida State University
- Karen S. Thompson, 1985, *Assistant Professor; Director of Placement*  
 B.S., M.A., Western Carolina University
- Thomas K. Tiemann, 1984, *Associate Professor of Economics; Dean, Martha  
 and Spencer Love School of Business*  
 A.B., Dartmouth College; Ph.D., Vanderbilt University; Post-doctoral  
 study, University of Kansas at Lawrence
- James T. Toney, 1960, *Associate Professor of Economics*  
 B.S., M.A., Appalachian State University; Graduate Studies, Teachers  
 College, Columbia University; University of Colorado; Memphis State  
 University
- Carole W. Troxler, 1971, *Professor of History*  
 A.B., University of Georgia; M.A., Ph.D., University of North Carolina
- George W. Troxler, 1971, *Professor of History; Coordinator of Cultural Programs*  
 A.B., Guilford College; M.A., Ph.D., University of North Carolina
- Ann J. Vickers, 1966, *Assistant Professor; Catalog Librarian*  
 A.B., Elon College; M.L.S., University of North Carolina
- Kay A. Villa-Garcia, 1988, *Instructor in Foreign Language*  
 B.A., Ball State University; M.A., Graduate Studies, Indiana University
- Bruce N. Waller, 1978, *Associate Professor of Philosophy*  
 B.A., Louisiana Technical University; M.A., Ph.D., University of North  
 Carolina
- William B. Warren, 1986, *Part-time Instructor in Music*  
 B.M., University of North Carolina at Greensboro; M.M., University  
 of Akron
- Linda Weavil, 1973, *Associate Professor of Business Administration*  
 B.S., M.A., East Carolina University; Ed.D., University of North Carolina  
 at Greensboro
- Deborah S. Welch, 1988, *Assistant Professor of History*  
 B.A., Agnes Scott College; M.A., Wake Forest University; Ph.D.,  
 University of Wyoming
- Jane C. Wellford, 1976, *Part-time Instructor in Physical Education and Fine Arts*  
 B.F.A., St. Andrews Presbyterian College; M.F.A., University of North  
 Carolina at Greensboro
- Patricia C. Whitaker, 1984, *Assistant Professor of Mathematics*  
 B.S., M.Ed., C.A.S., University of North Carolina at Greensboro
- Alan J. White (1964\*), 1974, *Professor of Physical Education and Health;  
 Athletic Director*  
 B.S., Wake Forest University; M.Ed., University of North Carolina; Ed.D.,  
 Mississippi State University
- Ellen B. Williams, 1985, *Assistant Professor of Music*  
 B.A., Meredith College; M.M., New England Conservatory of Music;  
 Doctoral Studies, Florida State University



- Jo W. Williams, 1969, *Professor of Education; Vice President for Development*  
A.B., Elon College; M.Ed., Ed.D., University of North Carolina at Greensboro
- Susan Williams, *Instructor in Philosophy and English*  
B.A., Florida State University; M.A., Northwestern University; Graduate  
Studies, Florida State University
- J. Christian Wilson, 1986, *Assistant Professor of Religion*  
A.B., M.Div., Th.M., Ph.D., Duke University
- Anne M. Wooten, 1984, *Associate Professor of Education; Director of M.Ed.  
Program*  
B.S., M.A., East Carolina University; Ed.D., University of North Carolina at  
Greensboro
- Carol Wortham, 1986, *Part-time Instructor in Human Services*  
A.B., Pfeiffer College; M.A., Emory University
- James Fred Young, 1973, *Professor of Education; President*  
A.A., Mars Hill Junior College; B.S., Wake Forest University; M.A.,  
University of North Carolina; Ed.D., Columbia University; Graduate  
Studies, Appalachian State University; East Carolina University;  
University of Virginia
- Rudolph T. Zarzar, 1967, *Associate Professor of Political Science*  
A.B., M.A., Ph.D., University of North Carolina

### Visiting Faculty, 1988-89

- O. Scott Card, 1988, *Visiting Creative Writer; Assistant Professor of English*  
B.A., Brigham Young University; M.A., University of Utah
- Lisha Huang, 1989, *Instructor in Communications*  
B.A., Hebei University, M.A., Hebei University. Baoding, Hebei Province, China
- Oscar S. Lansen, 1988, *Instructor in History*  
College het Mollerinstituut, Tilburg; Katholieke Universiteit Nijmegen  
Current Affiliation: Katholieke Universiteit Nijmegen, 1986-Present
- Stephen E. Smith, 1988, *Visiting Creative Writer*  
B.A., M.F.A., Graduate Studies, University of North Carolina at Chapel Hill
- Sak Wadisirisak, 1988, *Visiting Professor of Political Science*  
B.A., Chulalongkorn University; M.A., New York University  
Current Affiliation: Bangkok University, 1979-Present

### Administrative Officers and Staff

- James Fred Young, A.A., B.S., M.A., Ed.D., *President*
- Evelyn Campbell, *Secretary to the Office of the President*
- Warren L. Board, B.A., M.A., Ph.D., *Vice President for Academic and  
Student Affairs*
- Carol Oakley, *Secretary to the Vice President for Academic and Student Affairs*
- Jo Watts Williams, A.B., M.Ed., Ed.D., *Vice President for Development*
- Louise G. Newton, *Secretary to the Vice President for Development*
- Robert Poindexter, B.S., M.A., *Vice President for Administrative Services*
- Richard W. McBride, B.S.Ed., M.Div., Th.M., *College Chaplain*
- Robert G. Anderson, B.A., M.A., *Special Assistant to the President*
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## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Biomedical Reference Laboratory Program.* Established to support the Medical Technology Program.

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Morning Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*Dwight Merrimon Davidson Endowment Fund.* Established by C. Vincent and Eleanor Davidson Long in memory of Mr. Davidson, Class of 1905, income from this fund is used to procure original works of art for the Dwight M. Davidson Collection.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

*Dofflemeyer Fund.* Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemeyer by their children.

*Elon College Community Orchestra Endowment Fund.* Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

*George Joseph Fertig Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

*George W. Harden Trust.* Established by a bequest from the estate of Mr. Harden of Graham, N.C., income from this trust fund is used to support the general purposes of the college.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson-Pilot Professorship.* This fund was established by the Jefferson-Pilot Corpora-

tion, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

*Literature, Languages and Communications Endowment.* Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

*The Martha and Spencer Love School of Business Fund.* Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

*Iris Holt McEwen Community Service Award.* Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary, III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*NCNB Corporation Endowment for Field Studies.* To provide resources for students enrolled in the Martha and Spencer Love School of Business to travel off campus to gain hands-on experience in the business world.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York.

*Maude Sharpe Powell Professorship.* Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

*The Thomas Edward Powell, Jr. Professorship of Biology.* Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Ferris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*George Shackley Award.* Established by Mr. Shackley by bequest, for most improved piano student; organ student.

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

*Drusilla Dofflemeyer Voorhees Fund.* Created in honor of Drusilla Dofflemeyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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